



CR (EU) no. 167/2013



Requirements of CR (EU) no.167/2013

- Overview -



- Overview
- Structure of CR (EU) 167/2013
- Dimensions and total mass
- Axle loads 96/53/EG
- New features and information

Example agricultural or forestry trailer: legal acts acc. to CR (EU) 167/2013

<p>License plate RVFSR CR (EU) 208/2015 an. XIX</p>	<p>Brake system and trailer braking connection RVBR CR (EU) 2015/68</p>	<p>Lights and signalling devices and their light sources RVFSR CR (EU) 208/2015 an. XI</p>	<p>Installation of lights and signalling devices RVFSR CR (EU) 208/2015 an. XII</p>	<p>Outer vehicle surface and accessories RVFSR CR (EU) 208/2015 an. XIV</p>	<p>protection against unauthorized use RVFSR CR (EU) 208/2015 an. XVIII</p>
<p>Protection against other than in article 18(2)(a), (b), (g) and (k) listed mechanical hazards, including protection of tyres, hydraulic hoses and uncontrolled movements of the vehicle RVCR CR (EU) 1322/2014 an. XXIV</p>					<p>vehicle structure integrity RVFSR CR (EU) 208/2015 an. II</p>
					<p>Operation manual RVCR CR (EU) 1322/2014 an. XXII</p>
					<p>Safety of electrical systems RVFSR CR (EU) 208/2015 an. XXIV</p>
<p>Rear underrun protection RVFSR CR (EU) 208/2015 an. XXVI</p>					<p>Mechanical coupling devices RVFSR CR (EU) 208/2015 an. XXXIV</p>
<p>Guards and protective devices RVCR CR (EU) 1322/2014 an. XXV</p>					<p>Total mass loaded RVFSR CR (EU) 208/2015 an. XXII</p>
<p>Dimensions and trailer mass RVFSR CR (EU) 208/2015 an. XXI</p>					<p>Spray suppression systems RVFSR CR (EU) 208/2015 an. XXXI</p>

Requirements according to CR (EU) no.167/2013

ANNEX I

LIST OF REQUIREMENTS FOR THE PURPOSES OF VEHICLE EU TYPE-APPROVAL

Nr.	Article	Subject	Regulatory act reference	Motor vehicles	Vehicle categories																		
					T1a	T1b	T2a	T2b	T3a	T3b	T 4.1a	T4.1b (+)	T 4.2a	T 4.2b (+)	T 4.3a	T4.3b	Ca	Cb (++)	Ra	Rb	Sa	Sb	
1	17(2)(a)	Vehicle structure integrity	RVFSR		X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	X	X	X	X
2	17(2)(b)	Maximum design speed, speed governor and speed limitation devices	RVFSR		X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	NA	NA	NA	NA
3	17(2)(b)	Braking devices and trailer brake coupling	RVBR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	17(2)(b)	Steering for fast tractors	RVFSR (based on ECE 79 REV [new number])	Y	NA	X	NA	X	NA	X	NA	X	NA	X	NA	X	NA	I	NA	NA	NA	NA	NA
5	17(2)(b)	Steering	RVFSR	Y	X	NA	X	NA	X	NA	X	NA	X	NA	X	NA	I	NA	NA	NA	NA	NA	NA

Maximal dimensions of vehicles

CR (EU) no. 2015/208; anx. XXI

Vehicle class	Length [m]	width*) [m]	Height [m]
T	12	2.55	4
C	12	2.55	4
R	12	2.55	4
S	12	3	4

*) not considering the bulge of the tyre walls in the contact area with the street surface

Total mass CR (EU) no. 2015/208; anx. XXI

Maximum permissible laden mass and maximum permissible mass per axle depending on the vehicle category

Vehicle category	Number of axles	Maximum permissible mass (t)	Maximum permissible mass per axle	
			Driven axle (t)	Non-driven axle (t)
T1, T2, T4.1, T4.2	2	18 (laden)	11,5	10
	3	24 (laden)	11,5 ^(d)	10 ^(d)
T1	4 or more	32 (laden) ^(c)	11,5 ^(d)	10 ^(d)
T3	2 or 3	0,6 (unladen)	^(e)	^(e)
T4.3	2, 3 or 4	10 (laden)	^(e)	^(e)
C	N/A	32	N/A	N/A
R	1	N/A	11,5	10
	2	18 (laden)	11,5	^(b)
	3	24 (laden)	11,5	^(b)
	4 or more	32 (laden)	11,5	^(b)

Total mass CR (EU) no. 2015/208; anx. XXI

Vehicle category	Number of axles	Maximum permissible mass (t)	Maximum permissible mass per axle	
			Driven axle (t)	Non-driven axle (t)
S	1	N/A	11,5	10
	2	18 (laden)	11,5	^(b)
	3	24 (laden)	11,5	^(b)
	4 or more	32 (laden)	11,5	^(b)

^(a) It is not necessary to establish an axle limit for vehicle categories T3 and T4.3, as they have by definition limitations on the maximum permissible laden and/or unladen mass.

^(b) The corresponding value for the sum of the axle maximum permissible mass is the sum of the axle weights in Annex I, points 3.1 to 3.3, to Council Directive 96/53/EC (Council Directive 96/53/EC of 25 July 1996 laying down for certain road vehicles circulating within the Community the maximum authorised dimensions in national and international traffic and the maximum authorised weights in international traffic (OJ L 235, 17.9.1996, p. 59).

^(c) Where the driving axle is fitted with twin tyres and air suspension or suspension recognised as being equivalent within the European Union as defined in Annex II to Directive 96/53/EC, or where each driving axle is fitted with twin tyres and the maximum weight of each axle does not exceed 9,5 t.

^(d) The corresponding value for the sum of the axle maximum permissible mass is the sum of the axle weights in Annex I, point 3.5, to Directive 96/53/EC.

Burning speed CR (EU) no. 1322/2014; anx. XXVII

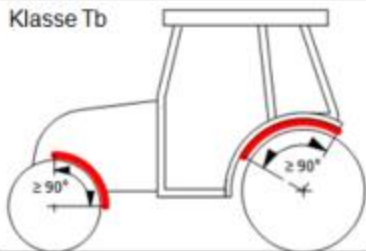
The burning speed of the **material inside the cabine** must not exceed the maximum speed of **150 mm/min** when tested according to **ISO 3795:1989**.

This regulation applies to materials of:

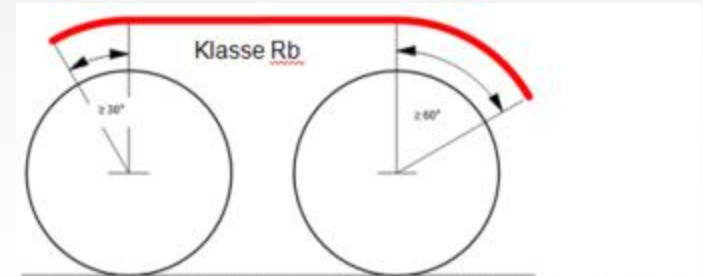
- Seat covers
- Wall panelling
- Floor covers
- Roof panelling

Spray suppression system CR (EU) no. 2015/208; anx. XXXI

- Vehicles of **class Tb** must have wheel covers installed.
- Vehicles of **class Rb** must have wheel covers installed, when **tyres of class C3** or other allowed tyres with highway tread pattern are installed to the vehicle.
- Tyres of class C3: Tyres according to ECE-regulation 117, with certain characteristics according to ECE R54.



Beispiel Klasse Tb; vorgeschrieben ist nur ein Überdeckungswinkel $\geq 90^\circ$, nicht die Position zur Horizontalen, Abdeckung $\geq 2/3$ der Reifenbreite



Beispiel Klasse Rb; Reifenbreite muss vollständig abgedeckt sein

Protection against unauthorized use CR (EU) no. 2015/208; anx. XVIII

- Vehicles of **class T, C, S** and for interchangeable towed equipment, with a weight ratio max. allowed weight/weight empty ≥ 3 which then belong to **vehicle class R**.
- Protection devices for **class T, C**
 - Ignition or starter control with removable key
 - Lockable cabin, ...
- Protection devices **for classes S, (R)**
 - lockable cover for coupler
 - wheel clamp
 - padlock in a part of the parking brake

Thank you for listening



Heinrich Wilking

TÜV NORD Mobilität

IFM - Gesamtfahrzeug

Fachgebiet

Sonderfahrzeuge, Nutzfahrzeuge, Krafträder

Am TÜV 1

30519 Hannover

Tel.: +49 511 9986 1679

hwilking@tuev-nord.de