



REGULATIONS ON
THE PERMISSIBLE DIMENSIONS AND WEIGHTS OF
CARGO AND PASSENGER VEHICLES
ALONG THE ROADS NETWORK OF
THE ISLAMIC REPUBLIC OF IRAN

ARTICLE 1

The words and terms used in this regulation shall have the below meanings:

- a. **Vehicle:** Motorized as well as non-motorized means of transportation, used to carry passengers and goods along the roads.
- b. **Self-Propelling (Automobile):** Any type of motorized vehicle capable of moving along the roads, except the railway vehicles.
- c. **Truck:** Motorized cargo vehicle, which the cargo carrying part connected to the chassis continuously, to be the capacity of more than 6 MT.
- d. **Tractor-Unit:** Motorized cargo vehicle that draws a trailer or a semi-trailer.
- e. **Overweight (Heavy Duty) Truck:** Any type of vehicle and related instruments capable of carrying overweight cargos with gross weight of over 40 MT.
- f. **Articulated Vehicle:** Vehicle consisting of a tractor-unit or a motorized vehicle and a trailer or a semi-trailer connected to.
- g. **Trailer-Truck:** Articulated vehicle including a tractor-unit and a semi-trailer connected to.
- h. **Bus:** Passenger vehicle, maximum capacity of which is determined based on the standards related to the minimum space allocated to each passenger.
- i. **Axle:** Structure or a part of the vehicle that is supported by wheels at the two ends on which it revolves.
- j. **Axle Group:** Any two or more successive axles on a vehicle with a distance of less than two meters, using the same suspension system
- k. **Axle Load:** The load or weight imposed by each axle of the vehicle on the road surface.
- l. **Vehicle Capacity:** Maximum permissible weight of cargo or number of passenger determined by the manufacturer, approved by the Ministry of Industry, Mine and Trade and indicated in the Vehicle Identification Card (VIC).



- m. **Dead (empty) Weight (Cargo Excluding):** Weight of the vehicle without driver, passengers and cargo; but including filled fuel tank and other tools that are normally carried by the vehicle.
- n. **Gross Vehicle Weight (GVW):** Maximum weight of the vehicle including cargo or passengers.
- o. **Gross Combination Weight (GCW):** Maximum overall weight that can be carried by a cargo vehicle (Gross Vehicle Weight + Gross Trailer or semitrailer Weight).
- p. **Trailer:** Vehicle pulled by a motorized vehicle.
- q. **Semi-Trailer:** Trailer connected to another vehicle so that an appreciable part of the cargo weight rests on and carried by the truck or tractor-unit.
- r. **Vehicle Code:** The reference code of vehicles classification. The first two digits indicates type of the vehicle and number of the axles (4 bus, 5 truck, 6 tractor-unit), the second two digits represents type of the articulated vehicle and number of the axles of trailer or semi-trailer connected to it (7 trailer, 8 semi-trailer), and the last two digits illustrates the total number of wheels.

Example: Code number 537422 is related to a three-axle truck with a four-axle trailer and 22 wheels; 5 indicates the truck, 3 indicates the number of truck axles, 7 represents the trailer, 4 represents number of the trailer axles, and 22 illustrates total number of the wheels.

s. **Letters Associated with the Vehicle Code in Tables:**

R: shows the necessity of using radial tires with minimum width of 36.5 cm for the two-wheel axles.

S: shows that the vehicle has two axles in the leading axle group.

W: shows that the rear axles of trailer include a two-wheel axle.

L: shows that the distance between two adjacent axles of the trailer exceeds two meters.

Letters **A**, **B**, **C** and **D** represent various axle groups of the vehicles.

ARTICLE 2

Permissible dimensions of vehicles along the national roads network.

A. Length:

Maximum permissible overall longitudinal dimension of the loaded cargo vehicles and passenger vehicles on the national roads network is indicated in table 1.



Islamic Republic of IRAN
Ministry of Roads and Urban Development



Road Maintenance and
Transportation Organization

Note 1: Rear axles of the trailer trucks with more than four axles must be steerable.

Note 2: Permissible weight of various types of passenger vehicles, based on their axles layout, will be the same as those indicated in Tables 3 and 4.

ARTICLE 4

The vehicles subject to this regulation must have tires with minimum width of 275 millimeters and more.

ARTICLE 5

Maximum weight of loaded cargo and passenger vehicles cannot exceed the weights indicated in this regulation, or in the vehicle identification card. Vehicles with dimensions and weights over the permitted amounts in this regulation are not permitted to drive along the national roads network, unless the excess cargo is unloaded and the vehicle size and weight complies with this regulations.

ARTICLE 6

When the cargos are inseparable and their dimensions and weights exceed the permitted amounts indicated in this regulation, and it is obligatory to transport them along the road, the cargo vehicle must be transported under the conditions specified in the oversized/overweighed cargo transport manual, with the special permission issued by road maintenance and transportation organization (RMTO) or other authorized centers.

ARTICLE 7

In case of violating this regulation, while stopping the vehicle, offenders are introduced by the Traffic Police to the Road Maintenance and Transportation Organization (RMTO) to pay the damages made on the road infrastructure in accordance with the Article 31 of the "Law on Driving Infringement" and compliance with the regulation. The vehicle returning to the road is subject to its complying with this regulation, and the damages disbursement by the transport company or the driver.

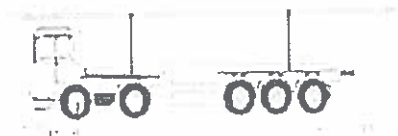
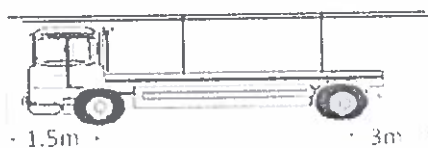


Table 1: Permissible Length of Various Types of Cargo and Passenger Vehicles Along the National Roads Network

No.	Vehicle	Maximum Permissible Load Including Length of Vehicle (m)	Figure
1	Two-Axle Truck	10	
2	Three (or more) -Axle Truck	12	
3	Various Trailer Trucks	16.5	
4	Truck with Trailer	18.35	
5	Car Carrying Trailer (Truck +Trailer)	20.75	
6	Two-Axle Bus	13	
7	Three (or more) -Axle Bus	14	
8	Articulated Bus	18.75	

Remark: Maximum length indicated in the table is the largest length from the front end to the rear end of the vehicle or the cargo.

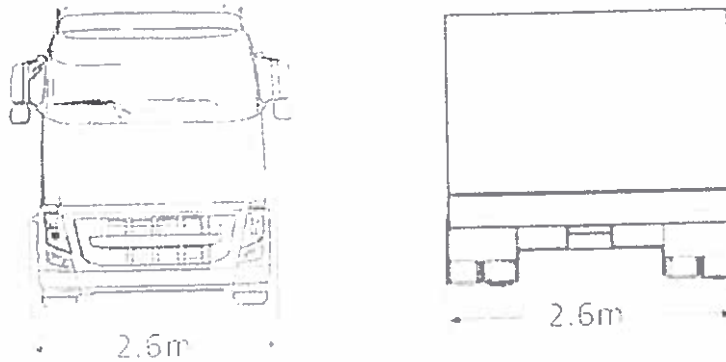
Note: Maximum front cargo overhang from center of the leading axle is 1.50 meters and maximum rear cargo overhang from center of the last axle is 3 meters for trucks and 5 meters for trailer-trucks. Vehicles exceeding these overhang limitations are not permitted to move along the national roads network under any conditions.





B. Width

Maximum permissible width of all loaded cargo vehicles and passenger vehicles is 2.6 meters, exclusive of the side mirrors and lights.

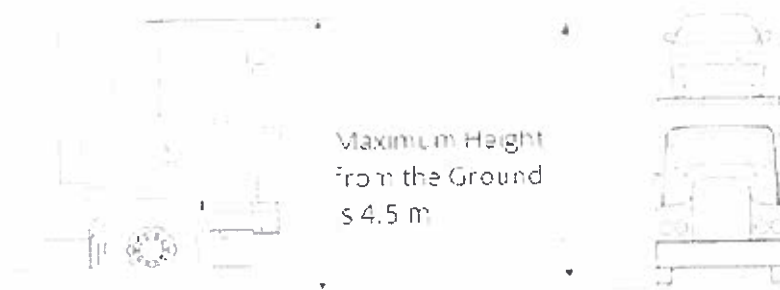


Note: Side cargo overhangs from the two sides of the vehicle cannot exceed 30cm.



C. Height:

Maximum permissible height for all loaded cargo vehicles and passenger vehicles from the ground to the top of the cargo or vehicle is 4.5 meters along the national roads network, except for HARAZ and CHALOOS Roads.



Note: When height limitations on certain roads, lead to reduction in permissible height, the new limitations shall be publicized by Road Maintenance and Transportation Organization (RMTO).



ARTICLE 3:

Permissible weights of vehicles along the national roads network are indicated as below.

A. Axle Load

The maximum load imposed by each axle of the vehicle (passenger or cargo) on the road surface must not exceed the limits indicated in Table 2.

Table 2: Permissible Weight of Axle groups

No.	Group Name	Number of Axles in Group	Axle groups		Permissible Weight of Group (MT)	Figure
			Number of Axles in Group	Number of Wheels in Group		
1	Leading	1	2		8	
2		2	4		14	
3	Single axle	1	2		10	
4			4		13	
5	Tandem axle	2	4		18	
6			6		20	
7			8		24	
8	Tri-Axle	3	6		24	
9			10		27	
10			12		27	

* If the distance between centers of two axles exceeds 2 meters, each axle is considered as a single axle.

** On single, double, and triple axles with two wheels on each axle tires must be radial type with minimum width of 36.5 centimeters; otherwise, 1 MT is subtracted from the permissible weight of the axle group for each axle.

B. Permissible Weight of Trucks

Permissible weight of various types of truck along the national roads network is indicated in Table 3.

Table 3: Layout of Axle groups and Weights of Various Trucks

Vehicle Code	Classification of Axle Groups	No. of Wheels in Axle Groups		Permissible Weight of Axle Groups or their Combinations (MT)			No. of Axles
		A	B	A	B	Total Gross Weight	
5206		2	4	8	13	19	2



5310		2	8	8	20	26	3
5308		2	6	8	16	24	3
5306R		2	4	8	18	26	3
5308R			6				
5412		2	10	8	24	30	4
5412S		4	8	14	20	32	4
5514S		4	10	14	24	34	5

Vehicle Code: The vehicle code contains four digits; the first two digits show type of the vehicle and number of the axles, and the two last digits show total number of the wheels.
Letters R represents radial tires with minimum width of 36.5 cm and **S** indicating for two axles in the leading group.

C. Permissible Weight of Articulated Vehicles

1. Truck with Trailer (Trailer is Connected Indirectly to the Truck Using Drawbar, Lock, and Pin)

The permissible weight of various trailer trucks along the national roads network is indicated in Table 4.

Table 4: Layout of Axle Groups in Various Trucks with Trailers

Vehicle Code	Classification of Axle Groups	No. of Wheels in Axle Groups				Permissible Weight of Axle Groups or their Combinations (MT)						No. of Axles	
		A	B	C	D	A	B	C	D	Truck	Trailer		Total Gross Weight
527108		2	4	2		8	13	10		18	10	28	3



527212		2	4	2	4	8	13	10	13	16	14	30	4
527316		2	4	2	8	8	13	10	20	16	16	32	5
527418		2	4	4	8	8	13	16	20	16	20	36	6
537112		2	8	2	8	8	20	10	-	24	10	34	4
537216		2	8	2	4	8	20	10	13	22	16	38	5
537320		2	8	2	8	8	20	10	20	22	18	40	6
537422		2	8	4	8	8	20	16	20	22	20	42	7
547114		2	10	2	-	8	24	10	-	28	10	38	5
547218		2	10	2	4	8	24	10	13	26	16	40	6
547323		2	10	2	8	8	24	10	20	22	20	42	7
547424		2	10	4	8	8	24	16	20	22	22	42	8



547114S		4	8	2	-	14	20	10	-	28	10	38	5
547218S		4	8	2	4	14	20	10	13	24	16	40	6
547322S		4	8	2	8	14	20	10	20	22	20	42	7
547424S		4	8	4	8	14	20	16	20	22	22	44	8

Vehicle Code: The vehicle code contains six digits; the first two digits indicates type of the vehicle and number of the axels; the second two digits demonstrates type of the trailer and number of axles; and the last two digits illustrates total number of the vehicles.

S: Stands for two axles in the lead group.

2. Trailer Trucks (Tractor-Unit + Semitrailer, Trailer is Directly Connected to the Tractor chassis by the 5th Wheel)

Permissible weight of various types of trailer trucks along the national roads network is indicated in Table 5.

Table 5: Layout of Axle Groups and Permissible Weight of Various Trailer Trucks

Vehicle Code	Classification of Axle Groups	No. of Wheels in Axle Groups				Permissible Weight of Axle Groups or their Combinations (MT)							No. of Axles
		A	B	C	D	A	B	C	D	Tractor-Unit	Semi-Trailer	Total Gross Weight	
628108R		2	4	2	-	8	13	10	-	19	10	28	3
628110		2	4	4	-	8	13	13	-	19	13	28	3
628214		2	4	8	-	8	13	20	-	19	20	32	4



628214L		2	4	4	4	8	13	13	13	19	26	36	4
628210R		2	4	4	-	8	13	18	-	19	18	32	4
628312		2	4	6	-	8	13	21	-	19	21	34	5
628312R		2	4	6	-	8	13	24	-	19	24	40	5
628316W		2	4	10	-	8	13	-	24	19	24	40	5
628318		2	4	12	-	8	13	-	27	19	27	40	5
628414R		2	4	4	4	8	13	18	18	19	30	44	6+
628422		2	4	8	8	8	13	20	20	19	36	44	6+
638112R		2	8	2	-	8	20	10	-	26	10	32	4
638114		2	8	4	-	8	20	13	-	26	13	32	4
638214R		2	8	4	-	8	20	18	-	26	18	40	5
638218		2	8	8	-	8	20	20	-	26	20	40	5
638316R		2	8	6	-	8	20	24	-	26	24	44	6



638320W		2	8	10		8	20	24		26	24	44	6
638322				12				27			27		
638418R		2	8	4	4	8	20	18	18	26	30	44	7+
638426				8	8			20	20		36		
648114RS		4	8	2		14	20	10		30	10	40	5
648116S		4	8	4		14	20	13		30	13	40	5
648316RS		4	8	4		14	20	18		30	18	44	6
648220S		4	8	8		14	20	20		30	20	44	6
648318RS		4	8	6		14	20	24		30	24	44	7
648322WS		4	8	10		14	20	24		30	24	44	7
648324S				12				27			27		
648420RS		4	8	4	4	14	20	18	18	30	30	44	8+
648428S				8	4			20	20		36		

Vehicle Code: The vehicle code contains six digits; the first two digits indicates the type of vehicles and number of axles; the second two digits demonstrates the type of semi-trailer and number of the axles; and the last two digits illustrates total number of the wheels.

Letters: **R** stands for radial tire with minimum width of 36.5 cm; **L** shows that the distance between two adjacent axles of the trailer (or semi-trailer) exceeds 2 m; and **W** shows that there is a two-wheel axle in the rear axle group.