

## Maximum permitted weights and dimensions, goods transport China

The foreign transport vehicles that enter into the territory of China for international road transport shall conform to the provisions of China on the external dimensions, axle load and loading weight of relevant transport vehicles.

Maximum external dimensions of vehicles is length 20m, width 2.55m, height 4m; Maximum axle load is 24000kg; Limit of loading weight is 49t.

The upper limit of overall dimensions of truck, trailer and combination vehicle (mm):

Vehicle type		Length	Width	Height	
Automobile	Tri-wheel vehicle	4600	1600	2000	
	Low-speed goods vehicle	6000	2000	2500	
	Truck and semitrailer tractor	12000	2550	4000	
	Passenger vehicles and coach	Passenger vehicles and coach with two axis	12000	2550	4000
		Three-axle coach	13700		
		Single articulated coach	18000		
Trailer	Semi-trailer	13750	2550	4000	
	Centre axle trailer/draw bar trailer	12000			
Combination vehicle	Passenger/car trailer combination	14500	2550	4000	
	Articulated vehicle	17100			
	Goods road train	20000			

- 1) When using wheel for steering and the power driven shaft is used for power transmission, cab and the space designed for placing articles behind driver's seat are available, vehicle length, width and height is 5200mm, 1800mm and 2200 mm respectively.
- 2) The limit of vehicle's length does not apply to any special motor vehicle meant only for transportation.
- 3) The maximum width of refrigerated truck is 2600mm
- 4) The maximum height limit for double-deck buses serving transport lines is 4200 mm
- 5) The maximum length of a semi-trailer carrying a 45ft container is 13950mm;
- 6) The maximum length of Centre axle trailer/ draw bar trailer is 8000mm;
- 7) The maximum length limit of long nose articulated vehicle is 18100 mm;
- 8) The maximum length limit of centre axle trailer of car carrier is 22000 mm.

The maximum allowable total mass of truck, trailer and combination vehicle (kg):

Vehicle Type		Maximum Design Total Mass	
Automobile	Tri-wheel vehicle	2000	
	Passenger vehicles	4500	
	Two-axles coach, goods vehicle and semi-trailer towing vehicle	18000	
	Three-axles coach, goods vehicle and semi-trailer towing vehicle	25000	
	Single articulated coach	28000	
	Four axles auto with double steering shaft	31000	
Trailer	Trailer	One axle	18000
		Two axles	35000
		Three axles	40000
	Draw-bar-trailer	Two axles trailer, for single tire each axle side	12000
		Two axles trailer, single tire for one axle each side, two tires for the other axle each side	16000
		Two axles trailer, for two tires each axle side	18000
	Centre axle trailer	One axle	10000
		Two axles	18000
		Three axles	24000
Combination vehicle	Three axles	27000	
	Four axles	36000	
	Five axles	43000	
	Six axles	49000	

- 1) When using steering, power from the transmission shaft, a cab and items placed when space is designed after the driver's seat, maximum limit of maximum allowable total mass is 3000kg;
- 2) For low speed goods vehicle, the maximum allowable total mass is 4500kg;
- 3) When the drive shaft for two tires each axle side and equipped with air suspension, maximum limit of maximum allowable total mass is 1000kg;
- 4) For vehicle tire width not less than 425mm, the maximum allowable total mass limit is 18000kg;
- 5) For articulated trains, when the drive shaft for two tires on each axle side are equipped with air suspension, and the distance between the two axis of semi-trailers is more than 1800 mm, maximum limit of allowable total mass is 37000kg

**Source:** CRTA, May 2018