**Information for the parking dimensions to be considered for the Architecture Student Contest 2026 in Belgrade, Serbia**

Below you will find information related to parking in Serbia. The first page is a summarized version, and the following pages is a more detailed document with additional explanations.

In general, the vehicle standards - particularly the dimensions of parking spaces - are similar to those used in the rest of Europe.

For residential buildings, the most used coefficient has been 0.7 per apartment, although with the increase in the number of vehicles, this coefficient has in many cases risen above 1.

As for public areas, as the information indicates, this depends on the spatial plan (unfortunately, the detailed spatial plan for this part of the city has not been formally defined, except for descriptions provided in the Contest Task) for the specific location and its intended use.

Note that there is no universal formula or precise calculation that would provide exact figures.

As a rule, facilities designed for athletes typically include bus parking capacities, primarily to accommodate team transportation needs, and secondarily to allow for potential group arrivals of visitors.

In the case of the Architecture Student Contest context, the need for such capacity is somewhat lower. Nevertheless, the available area certainly allows for sufficient parking to support all levels of attendance and access.

Summarized version: parking standards in Serbia

1. Residential Buildings

* The number of parking spaces is determined by urban planning documents, not a universal formula.
* In housing support programs, the minimum number of parking spaces should correspond to the number of residential units multiplied by a coefficient of 0.7, excluding spaces for commercial units, .

Dimensions:

* Standard parking space: Minimum 2.30 m (width) × 4.80 m (length).
* Parallel parking: 2.00 m × 5.50 m.
* Garage parking bay: 2.70 m × 5.50 m.
* Garage clear height: Minimum 2.20 m.
* Ramp slope: Maximum 12 % if open, or 15 % if covered or protected from icing.

Access:

* Pedestrian access at the entrance: Minimum 1.50 m wide.

Disabled Parking:

* Minimum space: 3.70 m × 4.80 m.
* In public parking lots, garages, and buildings with ≥10 apartments, at least 5% of total spaces, and at least one space, must be designated for disabled users.

2. Buses and Large Vehicles

* Bus parking space dimensions:
  + Length: 15 m, Width: 4 m (including safety clearance).
* Serbian regulations allow bus lengths up to 13–15 m and widths around 4 m, suitable for designated bus parking arrangements.

3. Tourist Areas and Bus Parking

* Belgrade – city center:
  + Designated stopping points for tourist buses exist (e.g., near Hotel "Moskva", Bulevar Kralja Aleksandra, Pariska Street, Slavija).
  + Some zones are for short stops (pick-up/drop-off), while others (e.g., Beton Hala area) are being developed with about 9 dedicated bus parking spots.
* Highway Rest Areas (as per "Putevi Srbije" guidelines):
  + For tourist destinations, rest areas should serve multiple functions—car and bus parking, sanitation facilities, food services, recreation areas—within 1–2 hectares, typically located 10–15 km from main roads.

**Summary Table**

| **Purpose** | **Required Number of Spaces** | **Dimensions (W × L)** |
| --- | --- | --- |
| Residential (standard) | Per urban planning docs (e.g. 0.7/unit) | ≥ 2.30 m × 4.80 m |
| Garage space | Within enclosed structures | 2.70 m × 5.50 m |
| Disabled access | ≥ 5% in public/shared buildings | 3.70 m × 4.80 m |
| Tourist Bus | Defined per case | 4 m × 15 m |
| Highway rest areas | Around 1–2 hectares total area | Various for cars and buses |

**Parking space dimensions - Standard, size, width and length**

Today, we pay a lot of attention to the size of our vehicle and enjoy buying a bigger and more comfortable car. Very soon, when it's time to park the car, we start paying attention to the dimensions of the parking space.

The size of the parking space has its own legal standard, but it has not changed and accompanied the change of the vehicle fleet towards larger dimensions. Likewise, it happens that the drawing of parking spaces does not follow the prescribed standards, which results in the problem of too narrow parking spaces.

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2. [Are the dimensions of parking spaces different for trucks, cars, and buses?](https://www.pikgroup.rs/blog/dimenzije-parking-mesta/72/#dimenzije-parking-mesta-za-kamion-automobil-autobus)  
2.1. [Dimensions of parking spaces for cars](https://www.pikgroup.rs/blog/dimenzije-parking-mesta/72/#dimenzije-parking-mesta-za-automobile)  
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**What does the law say about the size and dimensions of parking spaces**

**The Ministry of Construction, Transport and Infrastructure, on the basis of the Law** on housing and the reflection of buildings, **adopted the Rulebook** on conditions and norms for the planning and design of residential buildings and apartments in housing support programs.

Article 5 of this rulebook talks about parking and **the size of one parking space for a passenger car** .

The dimensions of the parking space in this rulebook are specified **with the minimum allowed proportions** :

* **The minimum length of** the parking space is **4.80 m**
* **The minimum width** is **2.30m.**

It is clear that [parking in Belgrade](https://www.pikgroup.rs/blog/parking-beograd-zone-cene-lokacije/69/) is a growing problem, and that these minimum dimensions of the parking space are intended to increase the efficiency of the parking lot, that is, in some way, to increase the capacity of the parking space. However, on the other hand, they impair the safety and security of vehicles and drivers, because the space for maneuvering when parking is reduced.

**Do the dimensions of the parking space for a truck, car, bus differ?**

Road vehicles differ in size, therefore the sizes of parking spaces also differ

It is only natural that the dimensions of parking spaces differ for different types of vehicles. Can we park our car in a marked bus or truck parking space? We can, but in the reverse case it would not be feasible.

The dimensions of the vehicles for which the parking is intended determine the dimensions of the parking space. That is why [the marking of parking spaces](https://www.pikgroup.rs/blog/obelezavanje-parking-mesta/71/) for cars, buses and trucks is different, and care must be taken to respect the standard dimensions of parking spaces for the intended category of vehicles.

**Dimensions of parking spaces for cars**

We have listed the minimum dimensions of the parking space. However, depending on whether the car is parked parallel to the road, at a right angle or diagonally, the size may differ.

|  |  |  |
| --- | --- | --- |
| Dimensions of the parking space depending on the parking method | | |
| Parking method | Parking space width | Length of parking space |
| Parallel | 2m | 5.5 - 6m |
| Under 90° | 2.30 - 2.50m | 4.80 - 5m |
| Oblique 75° | 2.40m | 4.90 - 5.30m |
| Oblique 60° | 2.65m | 4.60 - 5.20m |
| Oblique 45° | 3.25m | 4 - 4.80m |
| Parking space for the disabled | 3.70m | 4.80 - 5m |

**Dimensions of parking spaces for buses**

The bus parking space also has its own standards

The maximum length of a bus in our area is 12m, width 2.5m and height 4m. The required protective space, i.e. **the width to the neighboring vehicle or wall, is 0.8m** on both sides of the bus.

When we look at the largest dimensions of this road vehicle and the width of the protective space, **the dimension of the parking space for buses is 15m long and 4m wide** .

**Dimensions of the truck parking space**



Parking spaces for trucks should be sloped, passable and of standard length and width

According to our legal regulations, the maximum width of road vehicles is 2.5 m, height 4 m, and length 18 m (trucks up to 12 m, tractors with semi-trailers 16.5 m and trucks with trailers 18 m)

Considering the dimensions of the trucks and their difficult backward movement, parking spaces for trucks should be open at both ends (through) and in sloping parking patterns.

Regarding **the dimensions of the truck parking space** , the length is calculated as the length of the vehicle + a minimum of 2m, and the protective space is 0.9m on both sides of the truck, which means that **the minimum length is 20m and the width is 4.5m** .

**Standard parking space size (width and length)**

Marked vertical parking spaces according to standard dimensions and with stops

In order to calculate the optimal dimension of the parking space, and thus ensure the best utilization of the parking space, we must take into account four factors:

* Vehicle length
* Vehicle width
* Protection zones
* Vehicle height in the case of indoor parking spaces

**The standard dimensions of the parking space** in accordance with the mentioned factors are:

* Length 5m
* Width 2.50m
* The protective zone around the passenger vehicle is 0.5 m
* Garage ceiling height 2.20m

We can see that the standard dimensions are slightly different compared to the minimum allowed, which are 2.30m wide and 4.80m long.

We can also mention that there are standards for how much space should be left after the rear edge of the parking space up to the wall, or some other object **behind the parked vehicle** . That standard is **0.20m** , and it is usually measured behind the installed [parking limiter](https://www.pikgroup.rs/kategorija/parking-granicnici/81/) .

These standard sizes of parking spaces apply to all parking lots with managed vehicle parking.

**Dimensions of the parking space in the garage**

The closed type of owner's garage has standards for length, width and height

Garages within residential buildings also have their own standard dimensions. They are determined by the Rulebook on conditions and norms for planning and designing residential buildings and apartments in housing support programs.

**The minimum dimensions are 2.70 m wide, 5.50 m long, and 2.20 m high** , so they are slightly larger than ordinary parking spaces.

**Dimensions of parking spaces for the disabled**

The width of the parking space for the disabled is greater than for standard cars

If we take into account the fact that people with disabilities require the doors to be fully opened in order to get out/enter the vehicle, we come to the conclusion that the dimensions of [the parking space for the disabled](https://www.pikgroup.rs/blog/parking-za-invalide/92/) must differ in size from the standard dimensions.

According to Article 36 of the Rulebook on Technical Standards for Planning, Designing and Building Buildings, which ensure unimpeded movement and access for people with disabilities, children and the elderly, **the smallest parking space for the disabled is 3.70m wide, while the standard length is 4.80m** .

**Good parking with standard parking space dimensions**

Due to the reduced dimensions of parking spaces, such cases of parking are frequent

We have witnessed that in recent years there is a large disparity between required and offered parking spaces. When we add to that the fact that the standard dimensions of parking spaces are often not respected and reduced, the problem gets even worse.

It is clear to all of us that the prescribed dimensions should be respected, because if a few spaces are "lost" in each parking lot due to the reduction of dimensions, even several tens of vehicles are left without the necessary parking space. We'll admit, it's not an insignificant fact, especially at this time when there is a huge and fierce fight for every parking space.