

[Browse](#)

[Tags](#)

[About](#)

[Categories](#) 

[Get Pro](#)

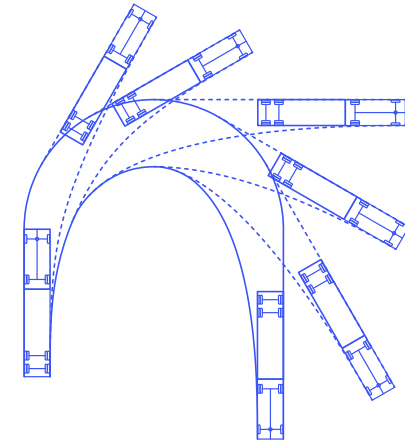
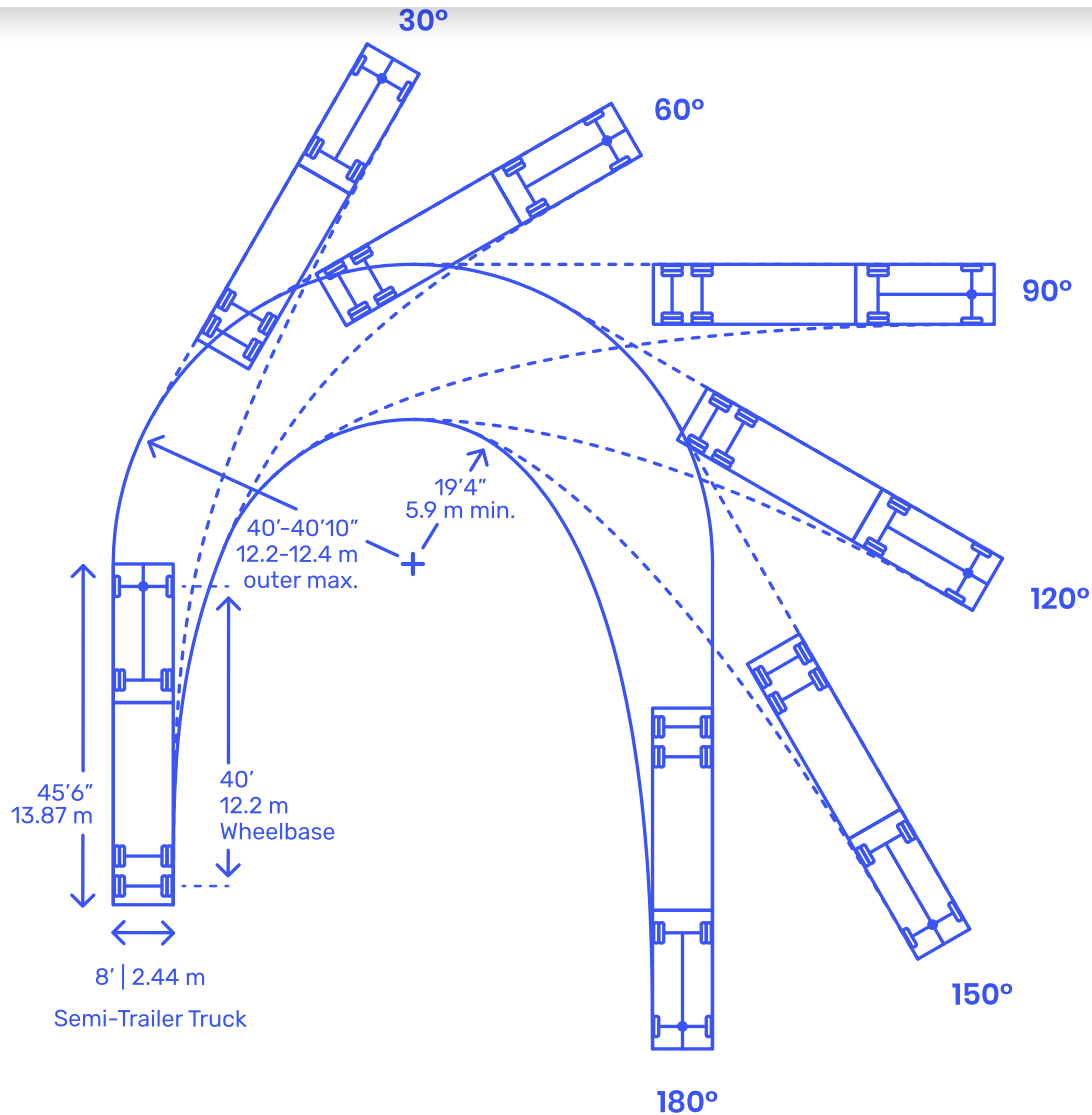
[Login](#)

[Layouts](#) > [Vehicle Turning Paths](#)

Semi-Trailer Truck - 40' WB



[Privacy](#)

[Browse](#) [Tags](#) [About](#) [Categories](#) [≡](#)[Get Pro](#)[Login](#)

Details

Outer Radius: 40'-40'10" | 12.2-12.4 m

Inner Radius: 19'4" | 5.9 m

Vehicle Wheelbase: 40' | 12.2 m

Vehicle Length: 45'6" | 13.87 m

Vehicle Width: 8' | 2.44 m

Drawings include:

Semi-Trailer Truck (40'

Wheelbase) Turning Paths plan

Description

[Browse](#) [Tags](#) [About](#) [Categories](#) [Get Pro](#) [Login](#)

a vehicle with a 40' (12.2 m) wheelbase.

Dimensions & Sizes

Measuring the inner and outer radii of the 180° turn, a minimum inner radius of 19'4" (5.9 m) and minimum outer radius between 40'-40'10" (12.2-12.4 m) should be provided for medium-sized semi trucks.

Common Questions

What is the minimum inside turning radius required for a medium-sized semi truck?

A minimum inner turning radius of 19'4" | 5.9 m should be provided for a medium-sized semi truck (40' | 12.2 m wheelbase) making a 180° turn.

What is the minimum outside turning radius required for a medium-sized semi truck making a 180° turn?

The outer turning radius necessary for a medium-sized semi truck making a 180° turn should be between at least 40'-40'10" | 12.2-12.4 m.

How big is a medium-sized semi truck?

Wikipedia - Turning Radius

Related Collections

VEHICLE TURNING PATHS

Related Tags

PLAN INFRASTRUCTURE

CIRCULATION PARKING

Share

Text by Bryan
Updated on April 8, 2020

2D Downloads

For 2D Downloads of this element, upgrade to a Dimensions Pro Membership. Available in DWG (CAD, Imperial & Metric), SVG, JPG formats

[Upgrade to Dimensions Pro](#)

Privacy

[Browse](#)[Tags](#)[About](#)[Categories](#) [Get Pro](#)[Login](#)

Vehicle Turning Paths



How is a turning circle measured?

A vehicle's turning circle is the radius (or diameter) measured by the outer wheels of the vehicle while making a complete turn.

What car has the smallest turning radius?

The smart fortwo (2016) has the smallest turning radius of a passenger vehicle at a radius of 22'10" | 6.9 m.

What is a typical turning circle for a passenger car?

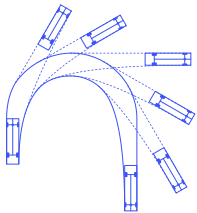
A turning radius of 34'-35' | 10.4-10.7 m is common for passenger cars today.

Vehicle Turning Paths

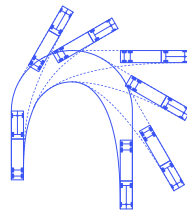
[Sort by](#) 

The turning radius, or turning path, of a vehicle is the smallest circular turn that it can make. Measuring the diameters of the inner and outer turning circles, turning paths of vehicles are calculated as standards used when designing roads, parking layouts, loading, and public service areas.

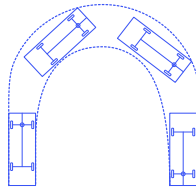
**Single-Unit Truck
| Bus - 20' WB**



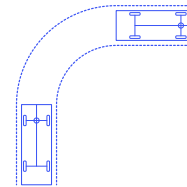
**Semi-Trailer
Truck - 40' WB**



Passenger - 180°



Passenger - 90°



[Browse](#)

[Tags](#)

[About](#)

[Categories](#) 

[Get Pro](#)

[Login](#)

[Browse](#) [Tags](#) [About](#) [Categories](#) [Get Pro](#) [Login](#)

Want updates on new Dimensions content? Join our newsletter!



Dimensions.com

A comprehensive reference database of dimensioned drawings documenting the standard measurements and sizes of the everyday objects and spaces that make up our world. Scaled 2D drawings and 3D models available for download. Updated daily.

Dimensions.com is a project by Fantastic Offense
©2023 Dimensions.com | All rights reserved

Categories

Humans	Furniture	Transport
Animals	Fixtures	Sports
Plants	Layouts	Digital
Objects	Buildings	Pop Culture

Tools

Browse
Tags
Calculator
Requests

Info

About
Dimensions Pro
Legal