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How To...

How To Select Torflex Axles

Determining GVW, what axles, brakes, and frame dimensions you need.

1. How to Determine the Gross Vehicle Weight (GVW)

When building a trailer, the total Gross Vehicle Weight (GVW) must be determined in order to select the right axle or axles for the application. GVW includes the weight of the empty trailer and the weight of the intended cargo. (Example: 2,000 lb empty trailer weight + 8,000 lb cargo = GVW of 10,000 lbs.)

2. How Many Axles?

After determining the GVW, the number and capacity of the axles must be selected. For example, if you want 10,000 lb GVW and want tandem axles, the minimum required capacity is 6,000 lb per axle.

3. Brakes?

First, determine if you want brakes on each axle. Most provinces require by law that at least one axle has brakes. Many provinces require that all axles have brakes. To determine how many brakes are necessary in a province, contact the local Department of Motor Vehicles. Second, determine what type of brake do you prefer. Choose from Electric, Hydraulic Single-Serve, or Hydraulic Dual-Serve.

4. What is the Length of the Axle?

Of the several ways and industry terms to describe this procedure, the most popular term is “Hub Face” which is the measurement from the base of the wheel stud to the base of the wheel stud on the opposite end of the axle.

5. Which Bolt Pattern?

The Bolt Pattern of the axles can vary depending on the capacity of the axle. The Bolt Pattern also determines what type tire and wheel can be used. If there is a specific tire and wheel you would like to use, please relay that information so we can help you to determine the proper bolt pattern and axle.

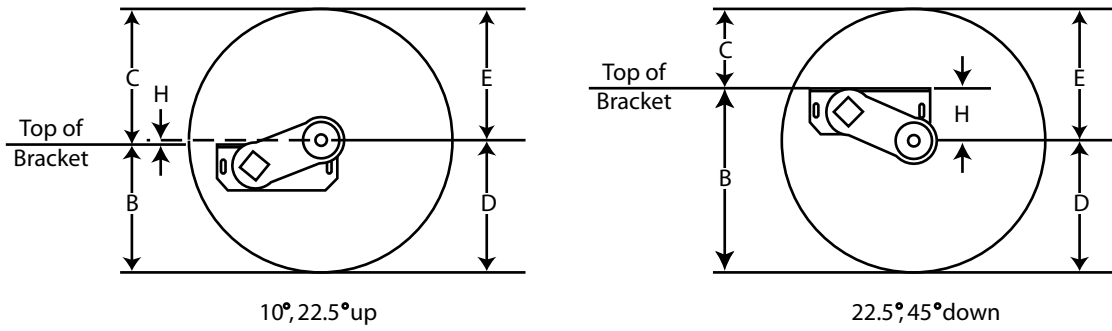
6. What is the Outside Frame Dimension?

Since the mounting brackets of the Torflex axles mount directly to the frame of your trailer, it is necessary to know the outside frame measurement in order to install them on the axle correctly.

7. How to Determine the Trailing Arm Starting Angle

The starting angle is the position of the spindle in reference to the trailer frame. In order to select the starting angle for your Torflex axle, call our office and speak to a sales representative.

Figure 1: 600lb - 900lb Torflex Axle Articulation Dimensions



<p>0° **2K BTRR4 (4" Drop) With 25 1/4" Double Eye Springs</p>	<p>10° up **None</p>	<p>22.5° up **None</p>
<p>10° down **2K BTR4 (4" Drop) With 20" Double Eye Springs</p>	<p>22.5° down **None</p>	<p>45° down **2K BTR Straight with 20" or 25 1/4" Double Eye Springs</p>