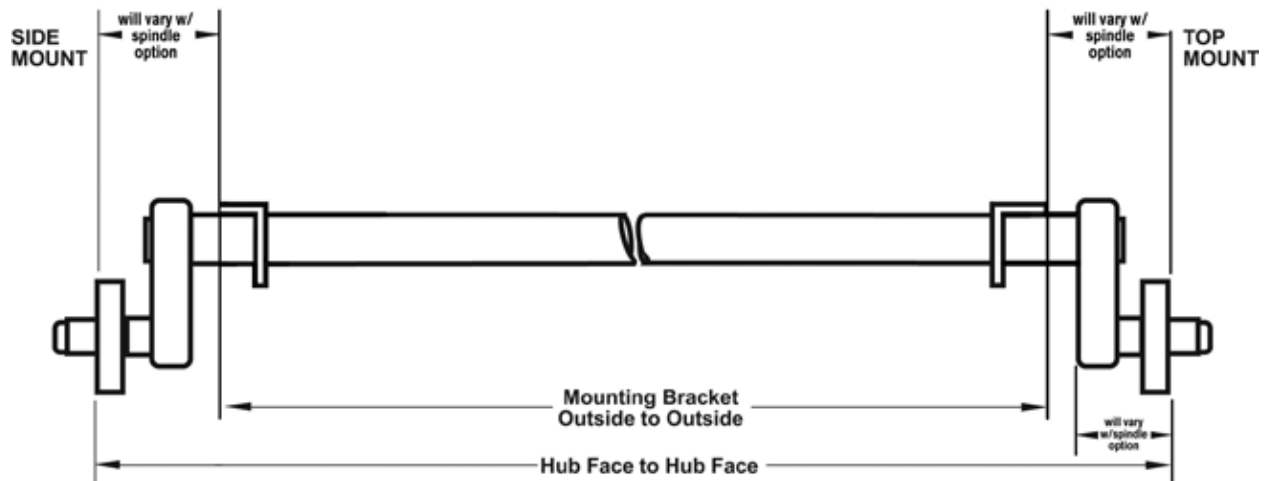


## How to Select Torflex® Axles:



### 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 lbs. cargo = GVW of 10,000 lbs.)

### 2. How Many Axles?

After determining the GVW, you must then determine the % of that weight to be on the axles (GAW). The number and capacity of the axles must be selected. For example, if you have 10,000 lb. GAW and want tandem axles, the minimum required capacity is 5,000 lbs. per axle.

### 3. Brakes?

First, determine if you want brakes. Most states require by law that trailers of specific capacity requires brakes. To determine brake requirements in a state, contact the local Department of Motor Vehicles. Second, determine what type of brake you prefer: Electric, Hydraulic Uni-Servo, Hydraulic Free-Backing, Hydraulic Duo-Servo, Hydraulic Disc or Air "S" Cam Brakes.

### 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

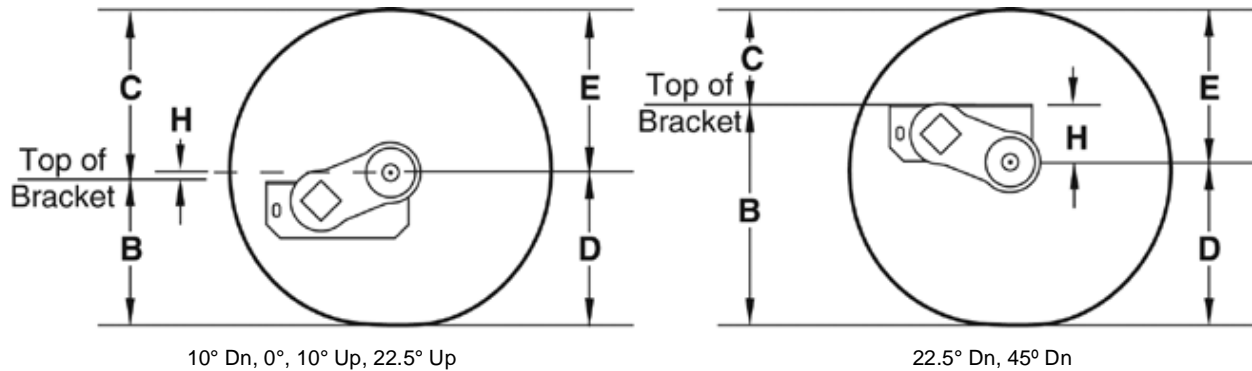
what type tire and wheel can be used. If there is a specific tire and wheel you would like to use, please relay that information so we can help you to determine the proper bolt pattern and axle.

## 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 make it simpler to select the starting angle for your Torflex® axle, consult the tables which appear at the bottom of each Torflex® axle page.



## How to Order Torflex® Axles:

Our part number system for Torflex® Axles is very similar to that of the tubular axles. Please place your order according to the description based on the following information/example:

**EX: 12TF70-865E-EZ:**

**#12 Torflex®, 7,000 lb., 8 Bolt, 6.5" Bolt Pattern, Electric Brake, E-Z Lube®**

**12TF:** Model of Torflex® Axle (#8, #9, #10, #11, #12, #12V, #13, #13G, #13D)

**70:** Capacity of Torflex® Axle (70 = 7,000 lb. capacity)

**865:** 8 Bolt, 6.5" Bolt Pattern

**E:** Type of Brake, if any (I = Idler, E = Electric, H = Uni-Servo Hydraulic, HY = Duo-Servo Hydraulic, DS = Disc)

**EZ:** Type of Lube (EZ = E-Z Lube®, NL = Nev-R-Lube®, OIL = Oil)

It is also necessary that you give us the outside dimension of your frame and the starting angle of the trailing arm.