How to read Torflex Articulation Dimensions

Note: Dimensions shown here are for example only. Refer to specific Torflex Axle Page for correct dimensions.

A) How high do I set the fenders?

Look at the 0º drawing: The 1.49 is distance from center of spindle to top of bracket.
The -.81 is how far arm moves above bracket for 'Full Load'.

1.49	To top bracket
+.81	From top bracket to 'Full Load'
2.3	Travel from 'No Load' to 'Full Load'

Fenders should be located 5.3" above tires when 'No Load' (2.3" + 3.00 DEX REQ).

DEXTER AXLE

B) What is 'Shock Load'?

'Shock Load' -1.73 is how far arm travels above the top of bracket. The distance the arm moves from 'Full Load' to 'Shock Load' is the difference of .92.

1.73	Distance arm moves from 'Full Load' to 'Shock Load'
- .81	Full Load Dimension
0.92	Travel from 'Full Load' to 'Shock Load'

C) What do the + marks on the curved broken line represent?

This line tells us how far forward the tire moves at each of the load points.

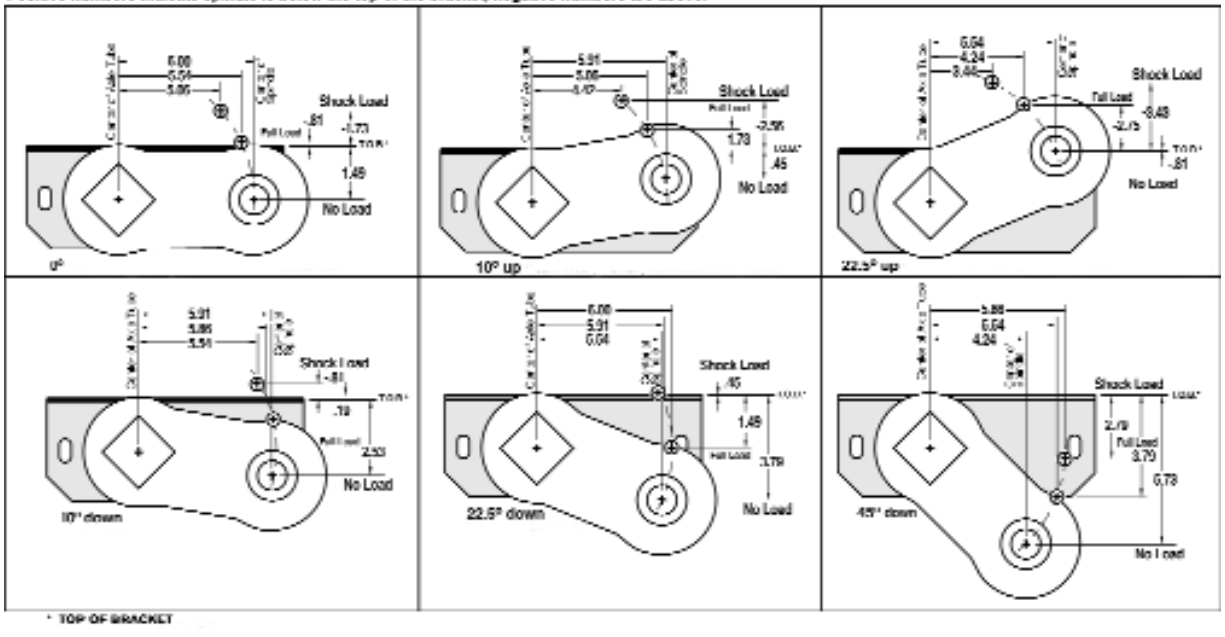
Using the 0º drawing again: Notice the 6.0 distance from center of spindle to center of inner bar. When the arm travels up to 'Full Load', the tire is moved forward .46". At 'Shock Load', the tire has moved forward .94".

D) When trailing arm starts at 22.5º or 45º down, the calculations are subtractions rather than addition.

Look at 22.5º down drawing.

3.79	'No Load' is 3.79 from top of bracket
- 1.49	'Full Load' is 1.49 from top of bracket
2.30	Travel from "No Load" to "Full Load"

'Shock Load' is .45 below top of bracket, so the travel from 'Full Load' 3.79 to 'Shock Load' .45 is 3.34".

ARTICULATION DIMENSIONS

ALLOW 3" BUMP CLEARANCE FROM FULL LOAD.
Positive numbers indicate spindle is below the top of the bracket, negative numbers are above.