

**Burton's Fire
Axle Weight Calculations Worksheet**

Customer	Example
Estimate #	
Work Order #	

Open Date:	4/25/2014
Edit Date:	4/25/2014

Chassis Info:

Wheelbase	Front GAWR	Rear GAWR
182	14,600	26,000

Key:

Measurement	Unit
Weight	pounds
distance	inches

Build-up components:

Item	Weight	Distance		
		CM forward of front axle	CM forward of rear axle	CM rear of rear axle
Body	475		55	
Water tank	3,454		25	
Water	15,000		25	
Pump	370		100	
Plumbing	355		100	
Modular	420		98	
Suction hose	150		19	
Fol-da-tank	600		40	
Rear dump	75			40
Rear step	200			40
TOTAL	21,099			

Fire department equipment:

Item	Weight	Distance		
		CM forward of front axle	CM forward of rear axle	CM rear of rear axle
Personnel	750		138	
Equipment	1,500		55	
TOTAL	2,250			

Axle Results:

	Weight		
	Front axle	Rear axle	Total
Capacity	14,600	26,000	40,600
Chassis	6,777	3,995	10,772
Build-up components	3,390	17,709	21,099
Fire department equipment	1,022	1,228	2,250
Total	11,189	22,932	34,121
Difference (overweight is "-")	3,411	3,068	6,479

Weight Distribution:

Front Axle	Rear Axle
33%	67%