



## Straight Truck Guidelines

For additional assistance or questions, call Princeton Piggyback toll free at 1.800.331.5851

| ITEM                                                                                                                                                                     | DESCRIPTION                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S'</b> Dimension - Distance from back of rear tire to end of bed sill                                                                                                 | 36" to 48" max. for EZ Hitch Mounting Kit, P90.2360.                                                                                                                                                                                                              |
| <b>AF'</b> Dimension: <b>Tandem Axles</b> , Distance from center line of tandems to end of bed.<br><b>Single Axle</b> , Distance from center line of axle to end of bed. | 95" max. for tandem axles trucks ( <i>Check 'S' dimension</i> ).<br>68" max. for single axle trucks ( <i>Check 'S' dimension</i> ).                                                                                                                               |
| <b>WB'</b> (Wheel Base) Dimension - Distance from center line of steering axle to center line of tandem or single axles.                                                 | Longer is better. Truck with Piggyback stowed shouldn't exceed legal overall length. Most states 40 foot is maximum.                                                                                                                                              |
| <b>BL'</b> (Bed Length)                                                                                                                                                  | Longer is better. Truck with Piggyback stowed shouldn't exceed legal overall length. Most states 40 foot is maximum.                                                                                                                                              |
| <b>Rear Axle</b>                                                                                                                                                         | For tandem, 17,000 lbs. capacity each axle minimum.                                                                                                                                                                                                               |
| <b>Front Axle</b>                                                                                                                                                        | 12,000 lbs. capacity minimum. The heavier the better (Reduces counter weight).                                                                                                                                                                                    |
| <b>GVW</b> (Gross Vehicle Weight)                                                                                                                                        | 46,000 lbs. minimum.                                                                                                                                                                                                                                              |
| <b>Counterweight</b>                                                                                                                                                     | Steel weight added to head board of truck to ensure proper percentage of weight is over the steering axle. Straight truck with tandems the minimum is 24% of unladen/empty weight. Straight truck with single axle is 26%.                                        |
| <b>Truck Frame</b>                                                                                                                                                       | Steel (Never aluminum). Frame must be of sufficient strength and meet minimum RBM (Resistance to Bending).                                                                                                                                                        |
| <b>Bed Side</b>                                                                                                                                                          | 6" Channel.                                                                                                                                                                                                                                                       |
| <b>Bed Crossmembers</b>                                                                                                                                                  | 4" Channels @10"-12" centers.                                                                                                                                                                                                                                     |
| <b>H'</b> Dimension                                                                                                                                                      | Distance from bottom side of bed crossmembers to ground.                                                                                                                                                                                                          |
| <b>Bed Deck</b>                                                                                                                                                          | 1/4" deck plate.                                                                                                                                                                                                                                                  |
| <b>Rear Suspension</b>                                                                                                                                                   | Air ride (preferred).                                                                                                                                                                                                                                             |
| <b>Steel Bulk Head</b>                                                                                                                                                   | Standard on most straight trucks to separate/protect load from cab. Preferred place to add counter weight.                                                                                                                                                        |
| <b>Pusher Axle</b>                                                                                                                                                       | Pusher axle is acceptable (located front of tandems). Tag axles are not allowed.                                                                                                                                                                                  |
| <b>Dump Body Truck</b>                                                                                                                                                   | Dump Body Truck requires a different EZ Hitch Mounting Kit, <b>P90.2362</b> , Bed Tie Downs, bed reinforcement and bed tilt limited to about 30 degrees. Extra clearance between the tire pad and rear tire of truck is necessary, based on pivot point location. |