

# Q: Why would you cut your glass in half?

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## A: The main reason is to save money on shipping.

Cutting your glass in half will reduce the size of your shipment. Freight carriers charge fees they call dimensional weight and oversized package.

Dimensional weight is calculated by the following calculation:

$$(\text{length} \times \text{width} \times \text{height}) / 186$$

For instance, a package with only 5 lbs. of glass tubing that is full length 59" will ship in a box that is 65" x 11" x 10" will be billed *by the shipper* as 38.44 lbs.

This means our website will estimate your freight from the base weight of 5 lbs. and when UPS or FedEx gets the actual dimensions, *they* will increase the charge to 8X the original quote!!!

In other cases where you purchase 20 lbs. of glass, your shipping charges may only increase about 2X, because that shipment is still billed *by the shipper* as 38.44 lbs.

We are not telling anyone that they should buy more glass, but we do want everyone to know how the freight is being calculated, since websites do not yet have the technology to make exact dimensional analysis as of yet. This is the reason we tell you on our site that shipping is estimated!

Further, oversized packages are determined by what freight companies call girth and length.

Girth is determined by the following calculation:

$$\text{Girth} = 2 \times \text{shortest side in inches} + 2 \times \text{next shortest side in inches}$$

If you add the Girth to the Length of the longest side of the package you will get a number. If this number is higher than 84, then your package is assessed a charge called "oversize class one." If this number is higher than 108, then your package is assessed another charge for being "oversize class two."

If you look at our boxes, we have engineered them to meet specs of oversize class one in order to save you the most money we can. See below calculation.

A box 65" x 11" x 10" measures as follows:

$$(11 \times 2) + (10 \times 2) + 65 = 107$$

This is only one inch less than the 108 "oversize two" classification! **For our safety, we will not cut rod over 16mm or tubing over 38mm. We do offer wet saw cutting or thermal cracking off at a fee, please inquire.**

We are doing our best to help you our customer to save money, however, we would like to inform you that if you are ordering less than 50 lbs. of glass in a box, you are paying more for the freight than you should be, as more weight can fit in the package without your shipping charge increasing based on these freight rules.

Maximizing your shipments will save you money as well as keep your freight estimates on our website more accurate, as they can only calculate actual weight and not dimensional weights.