

**A4  
Size**

# John Dyer & Co.

## Millimeter size explained

Carats are the term you hear most when referring to a gem's size, but since a carats are a measure of weight and not a measurement of visual size they can be misleading.

When you are choosing a gem it is very important to consider the millimeter size since the varying densities of different gem materials and also the varying depths of different cutting styles can result in a significantly different "face" size, even between gems with a similar carat weight.

Millimeter (mm) size is far more important for practical purposes than the carat weight. You want to know the carat weight because your friends will ask, but you need to understand the mm size so you know if a particular gem will work for the design and style you want.

Below is a ruler with measurements in centimeters, each centimeter is made up of ten millimeters. (IMPORTANT: For this to work you must be printing this on an **A4 size** sheet of paper with the printer set at "actual size". To check if it printed correctly see the info at the bottom of the page.)



Ruler in Centimeters. (1cm = 10mm)



Ruler in inches. (1 inch = 25.4mm)

Also keep in mind the shape of the gem, some shapes will look larger even if they have the same mm size. See example below.

15mm size gems (measured top to bottom)



Notice the difference in visual size due to shape.



US Penny  
19.5mm



#2 Pencil Eraser  
Approx. 6.2mm



US Quarter  
24.2mm

**The gem you are considering.**

(We can place the gem/gems here and send you the file via email.)

(Close to actual size)

To make sure that this page printed correctly (So you have an accurate size) you can compare the size of the example objects to see how close you got before measuring the size of the gem you are considering. **PRINT ON A4 paper.**

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