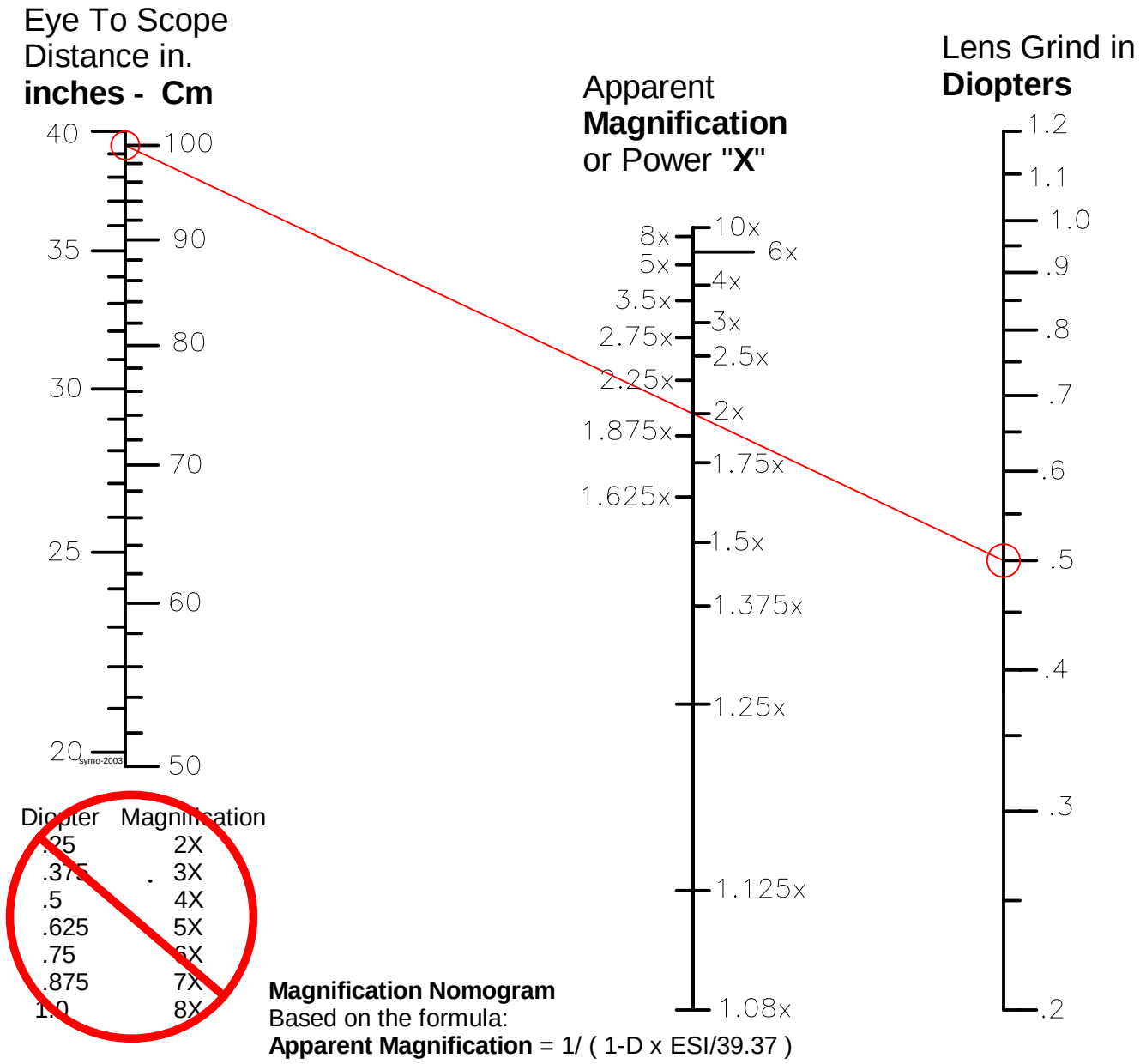
Single Lens Bow Scope

(Magnification made Simple)

ARCHERY TRADE ASSOCIATION
Technical Committee Approved



Diopter	Magnification
.25	2X
.375	3X
.5	4X
.625	5X
.75	6X
.875	7X
1.0	8X

Magnification Nomogram
Based on the formula:
Apparent Magnification = 1/ (1-D x ESI/39.37)

*** Basic Facts:** The actual manufacturers of bow scope lenses specify their product in diopters, which is a measure of the lens' optical strength.
Depending on the lens manufacturer, the diopter rating of a given lens may vary ± some fraction of a diopter.

How to use this Chart

***** Knowing any (2) two of these values you can easily solve for the third (unknown) value.

* Simply find the two values that you know on their respective graphs and connect those numbers with a straight line.

a) If the values you know lie on two adjacent graphs, then you will have to extend that line to the third graph where it will reveal the third unknown value.

b) If the values that you know lie on the two outside graphs then a line connecting those values will cross the center graph indicating the magnification one would obtain under those circumstances.