





Considerations when selecting a loupe.

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The size of the lens has no influence on the size of the **field of view**. The size of the field of view depends on the magnification. The stronger the magnification the smaller the field of view. Also the depth of view will get smaller. 10X is a standard for diamond grading. With a loupe you can go up to 15X, 20X or even 28X magnification, then you will reach a technical limit as the focus point is getting to close to the lens.

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	Lens size 18mm	Lens size 21mm	
10X Loupe			The field of view stays the same and is not affected by the size of the lens.
20X Loupe			The blurred border tires the eye and therefore a 20X loupe with a smaller lens diameter is more comfortable to work with.

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Loupes with **aplanatic and chromatic** corrections are called triplets as they are composed of a three lens system. A good loupe requires colorless glass. This is important when color grading diamonds. Place different brands of loupes on a white paper and compare the color of the lens.

The **chromatic correction** avoids yellow and blue shadows at the limit of the field of view.

The **aplanatic correction** avoids the spherical deformation of what you see. A straight grid of lines should stay straight.

" Initially, the student is not limited by the instrument itself, but rather by the ability to properly operate the instrument and a knowledge and understanding of just what is being observed and what is being sought to be observed. "

W. WM. Hanneman

How to hold a loupe properly.



Hands together and touching your cheek, only this will provide a stable image.

More information and pricelist [here](#)

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