

Leitz 160vs170mm questions about DIC/ICT

Source: <http://sci.tech--archive.net/Archive/sci.techniques.microscopy/2008-11/msg00000.html>

- *From:* "Theo Griep" <griep@xxxxxxxxxx>
 - *Date:* Sat, 1 Nov 2008 14:42:10 +0100
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Anyone who can help me with these: please reply.
Probably for Leitz specialists only.

First the introduction:

I have a Leitz Dialux 20 and an Orthoplan. Dialux uses 160mm objectives, Orthoplan 170mm.

The condensers of the two are not interchangeable.

On the Dialux I have two ICT objectives, 16x and 25x, for differential interference contrast (DIC, or ICT as Leitz calls it).

In the Dialux condenser I have the two corresponding Wollaston prisms for these objectives, works fine.

I wanted higher magnifications and recently bought the 40x and 100x ICT objectives from the same series (160mm) plus the ICT condenser that appears to fit the Ortholux.

I downloaded the Leitz manual for the adjustment of ICT objectives, and I can see from the pics in that manual that my recently acquired 160mm objectives and condenser are used on a (170mm) Orthoplan. A revolving nosepiece

So 160mm objectives are used on a 170mm microscope.

These are my questions:

Can filters from a Dialux condenser be used in a Orthoplan condenser (are they the same size)?

How can 160mm objectives be used on a 170mm microscope? Is this because of the 1,25 factor of the revolving nosepiece?