

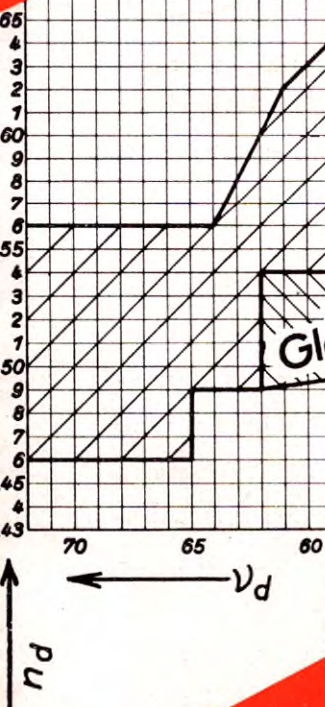
CARL ZEISS
JENA

New Glasses

Glasses 1886-1943

Glasses before 1886

New Glasses



THE
new
TESSAR 1:2.8



INTRODUCING the new ZEISS F/2.8 TESSAR

A further contribution towards the reduction of image errors in photographic optics.

Notwithstanding its greater relative aperture the image characteristics of this lens are of an excellence which comes up to and in some respects surpasses the performance of the world-renowned TESSAR F/3.5.

New flint and crown glasses used in the construction of the TESSAR F/2.8 made it possible to reduce the various image errors to a more satisfactory degree. This applies particularly to the chromatic aberrations of the coma thus resulting in an increase of the resolution especially as the marginal portions of the image field are concerned. This superiority of the new TESSAR manifests itself in photographs both on black/white as well as on colour films, and indications are that the TESSAR F/2.8 will enjoy a decided preference as a standard lens for miniature cameras.

For the present the new lens is being turned out with a focal length of 50 mm. in special mounts for 24×36 mm. miniature cameras and will be distributed through the respective camera makers. Later on it will be supplied in standard mount with Compur shutter and in additional focal lengths.

For use in conjunction with reflex cameras, such as the CONTAX-S, PRACTICA and EXACTA-VAREX, the new TESSAR will be available in presetting diaphragm mount, which permits of focusing at fully opened diaphragm and of stopping down automatically to a pre-determined stop just prior to the moment



of exposure without having to remove the camera from the eye-level position. Focusing on the ground glass screen is facilitated by the small depth of field prevailing with the large aperture and by the rapid passage from unsharp to sharp focus as afforded by the steep pitch of the focusing thread. The focusing range of the mount extends from ∞ to 0.5 m.

The front lens is deep-set and well protected in the conical mount so that in most cases a sunshade can be dispensed with. The front part of the mount is provided with an internal screw thread M 40.5 \times 0.5 for the attachment of filters, front lenses or Zeiss stereo-attachments. Since the screw thread is stationary and will not turn when the diaphragm or the focusing collars are adjusted, the position of polarizing filters or stereo-attachments will be preserved once they are aligned.

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Taken with the new ZEISS $F/2.8 = 50$ mm. TESSAR, object distance = 50 cm. (without any accessories such as spacing-collars and front lenses), 3 Nitraphot lamps, diaphragm 5.6, $\frac{1}{50}$ sec.