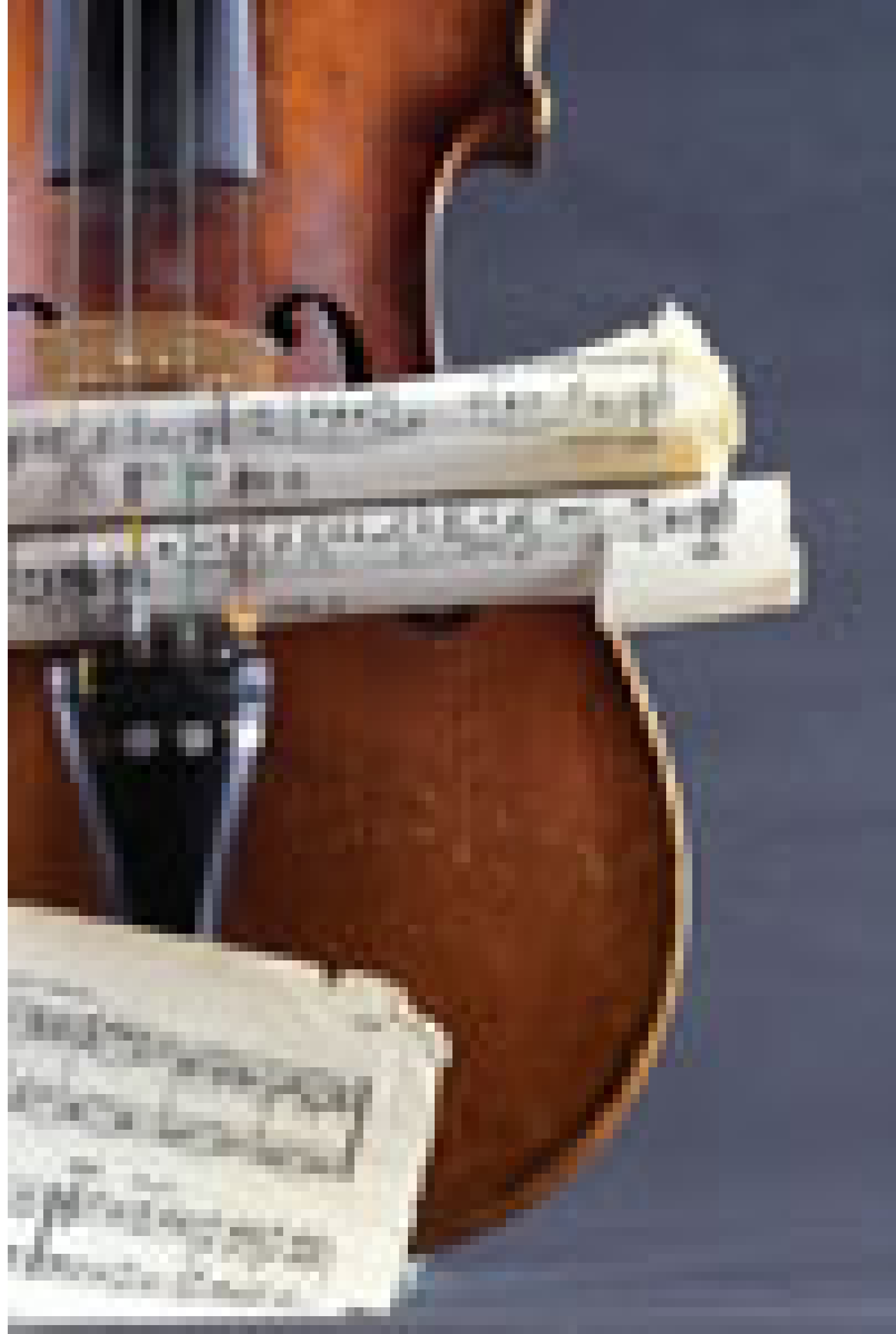






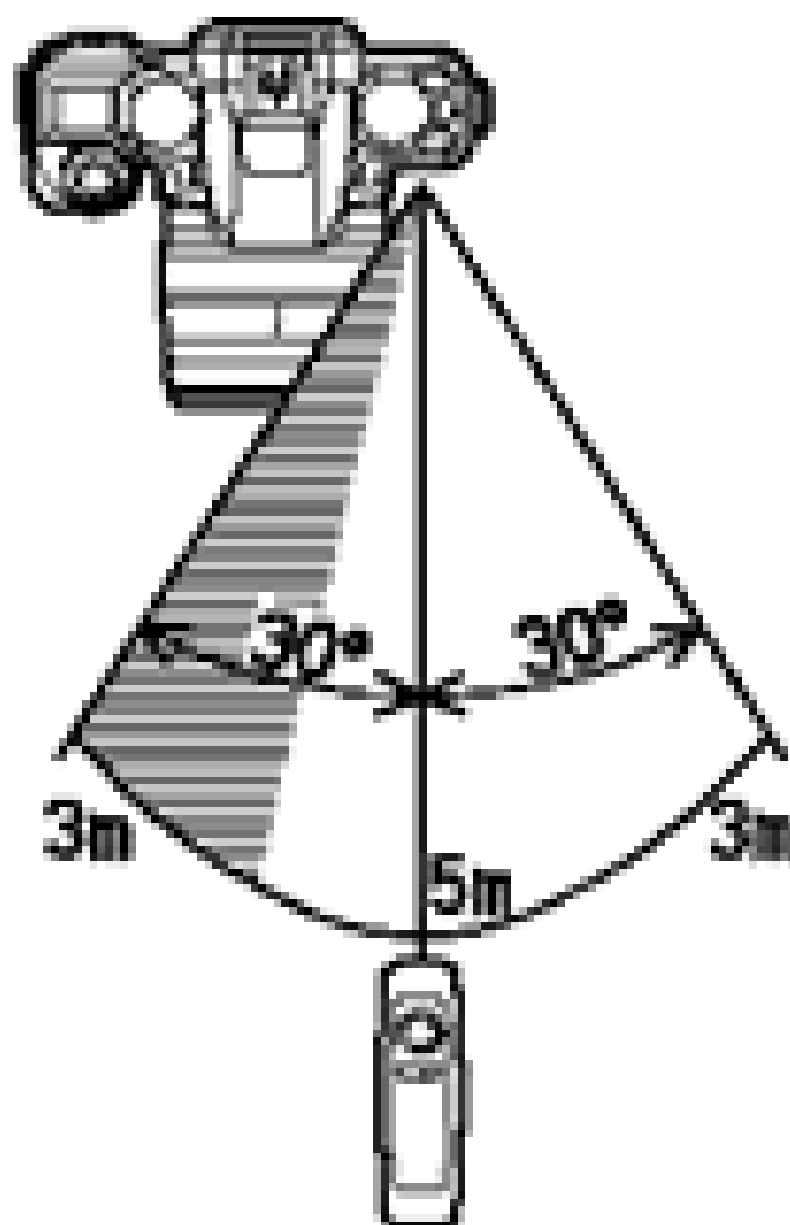
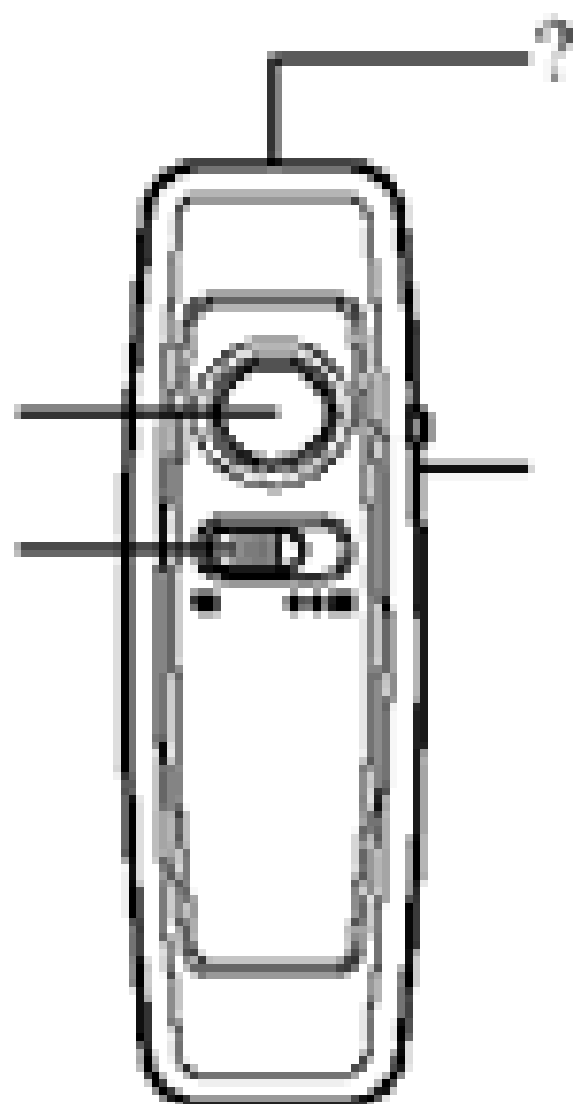


















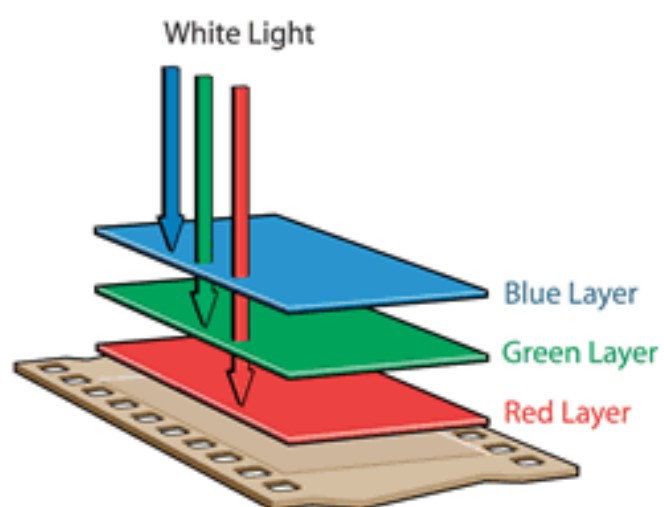


**SIGMA**

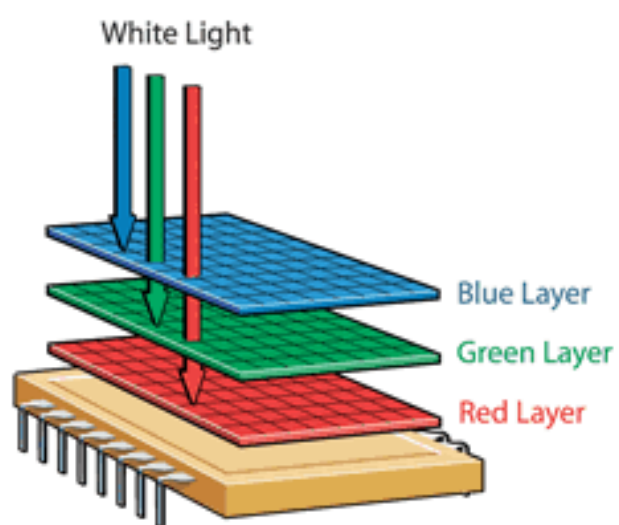






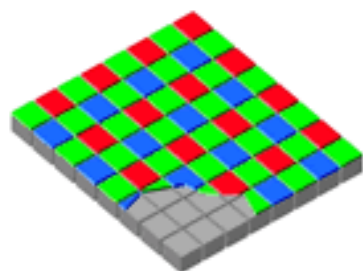


Color Film

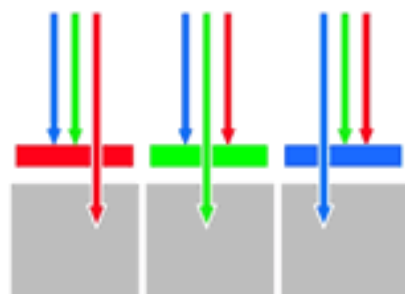


Foveon® X3™

## Mosaic Capture



In conventional systems, color filters are applied to a single layer of photodetectors in a tiled mosaic pattern.

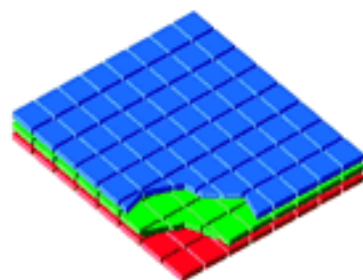


The filters let only one wavelength of light - red, green or blue - pass through to any given pixel, allowing it to record only one color.

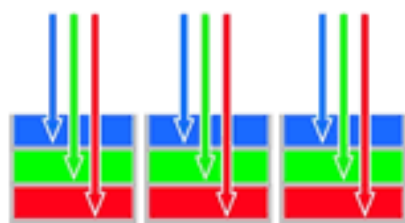


As a result, mosaic sensors capture only 25% of the red and blue light, and just 50% of the green.

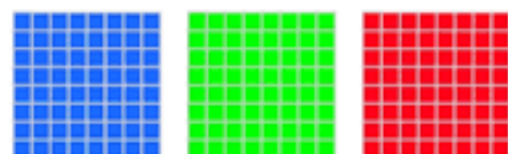
## Foveon® X3™ Capture



A Foveon® X3™ image sensor features three separate layers of photodetectors embedded in silicon.



Since silicon absorbs different colors of light at different depths, each layer captures a different color. Stacked together, they create full-color pixels.



As a result, only Foveon X3 image sensors capture red, green and blue light at every pixel location.

# Quality Benefits of Foveon X3™

**Mosaic Filter**

**Foveon X3™**



















SIGMA SD9

















248. *Stark.*  
B dur. 248. *Stark.*

120.  
F dur. 21.

153  
253. *Sanft.*  
oto. *Stark.*

















Objektiv  
Testkoffer







**Klaus Tiedge fotografiert mit der SIGMA SD9:**

- ☐ weil mich die Bildergebnisse qualitativ sofort überzeugt haben und ich keine Zugeständnisse machen kann
- ☐ weil die Bedienung der Kamera rein intuitiv erfolgen kann und nicht vom eigentlichen Fotografieren ablenkt
- ☒ weil mir mit SIGMA Objektiven eine umfangreiche Palette Brennweiten zur Verfügung steht



[zur Homepage von Klaus Tiedge](#)

[zurück zur SIGMA Homepage](#)

SN: XXXXXXXX

## Versions

Digital: 1.3.0.1108 Release

FPGA: X.X.XXXX

Camera: X.X.XX.XXXX

Camfile: vX.XX XXXXXXXX-XXX XXXXX



OK

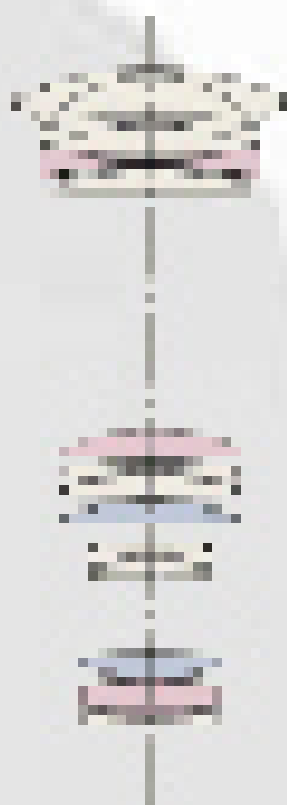


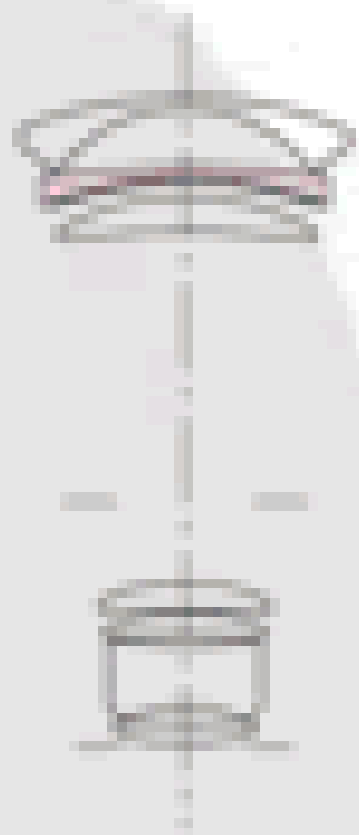


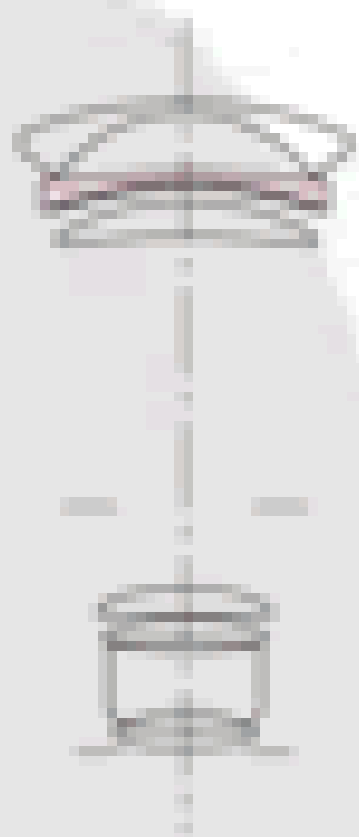
Technische Daten





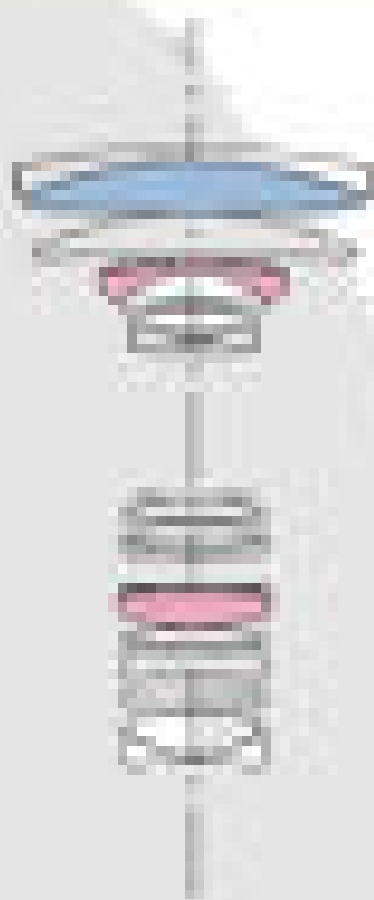
















**T-Mart Web Services**





The logo is a circular emblem with a thick red outer border. Inside, a grey band contains the text. The top and bottom of the circle are solid red. The text 'SD9' is in a large, red, stylized font at the top. Below it, 'Digitaltour 2003' is written in a black serif font. At the bottom, 'Alle Termine der Tour' is written in a red serif font.

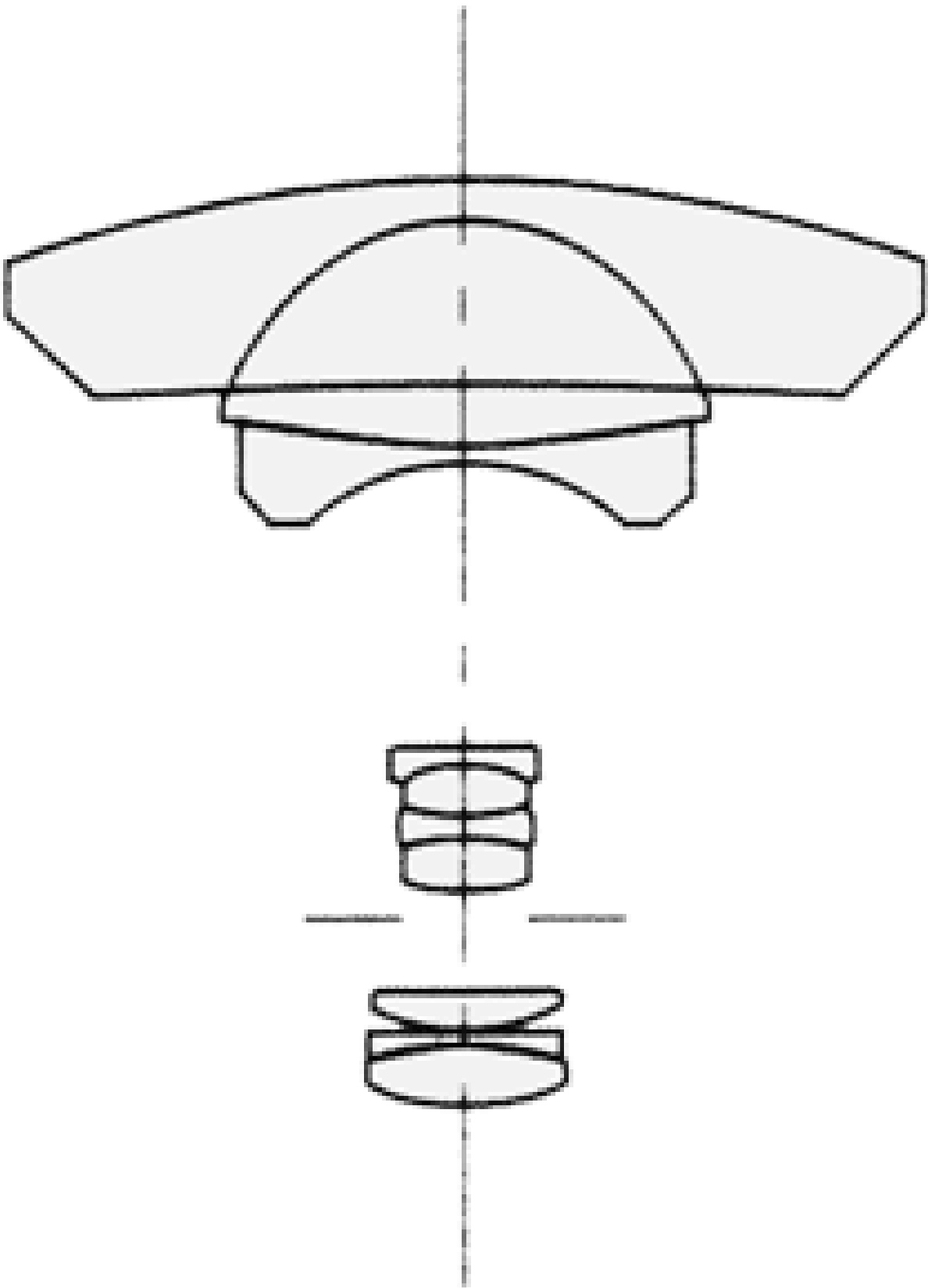
**SD9**

**Digitaltour 2003**

**Alle Termine der Tour**



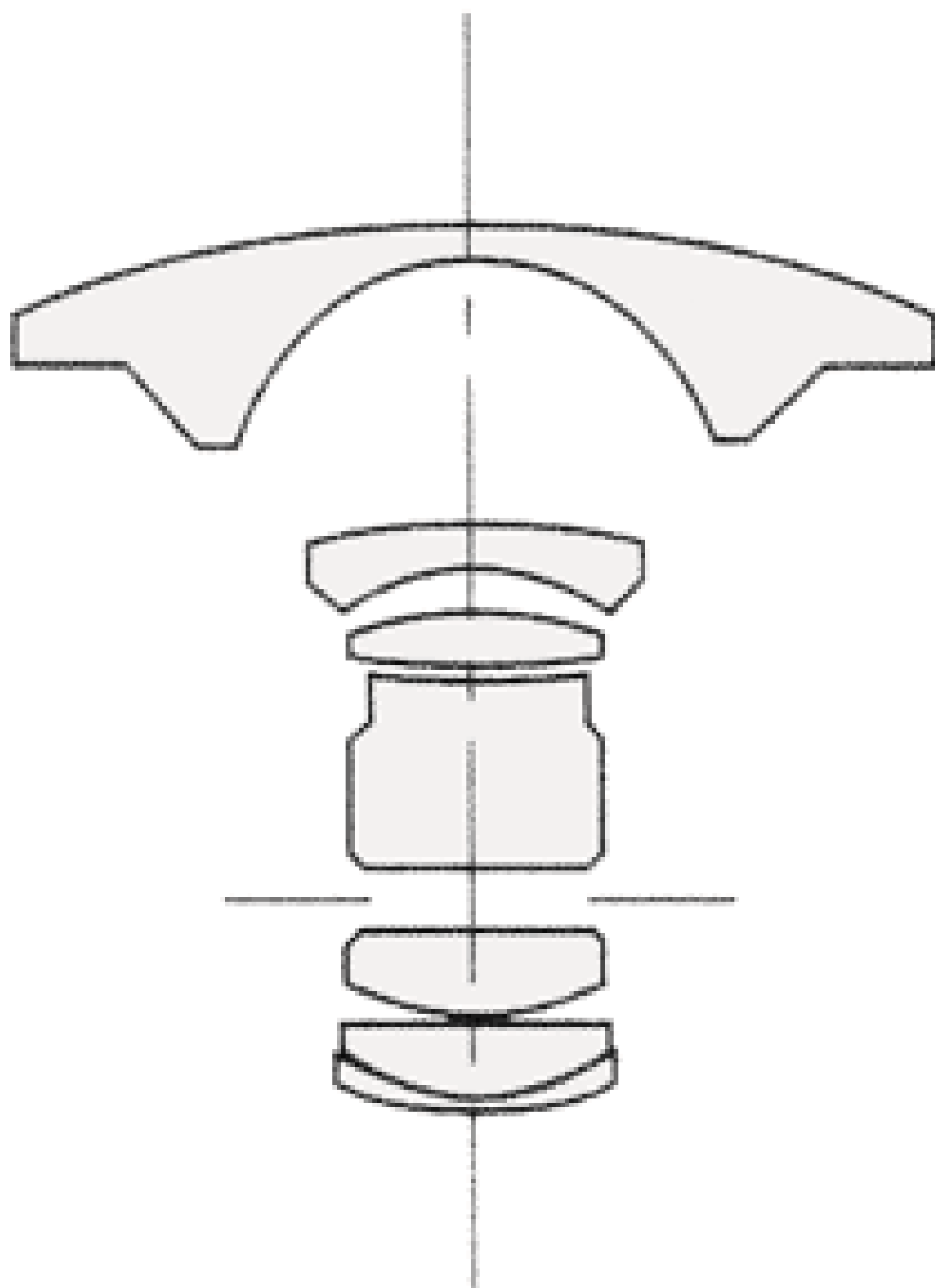
Objektiv  
Testkoffer



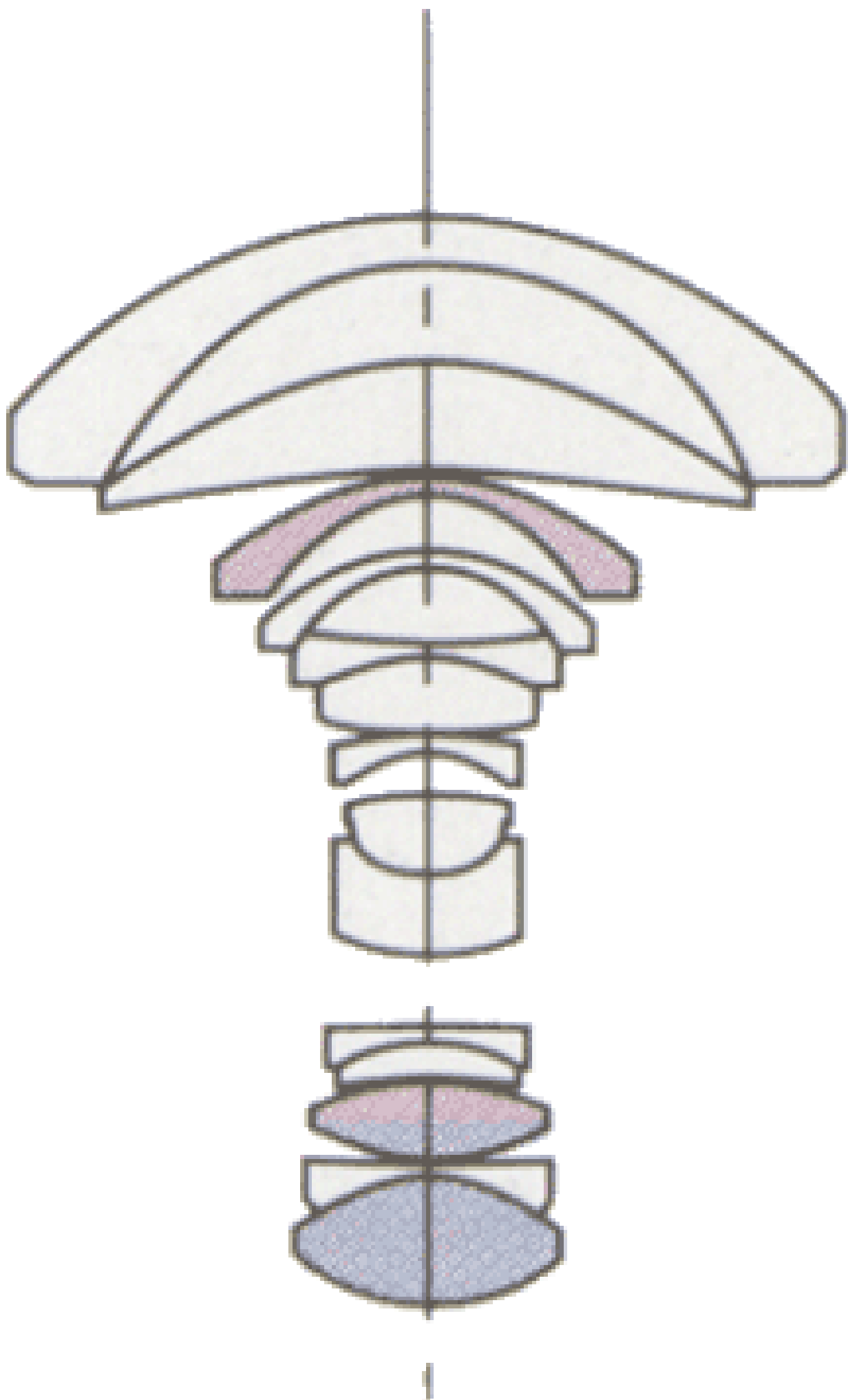






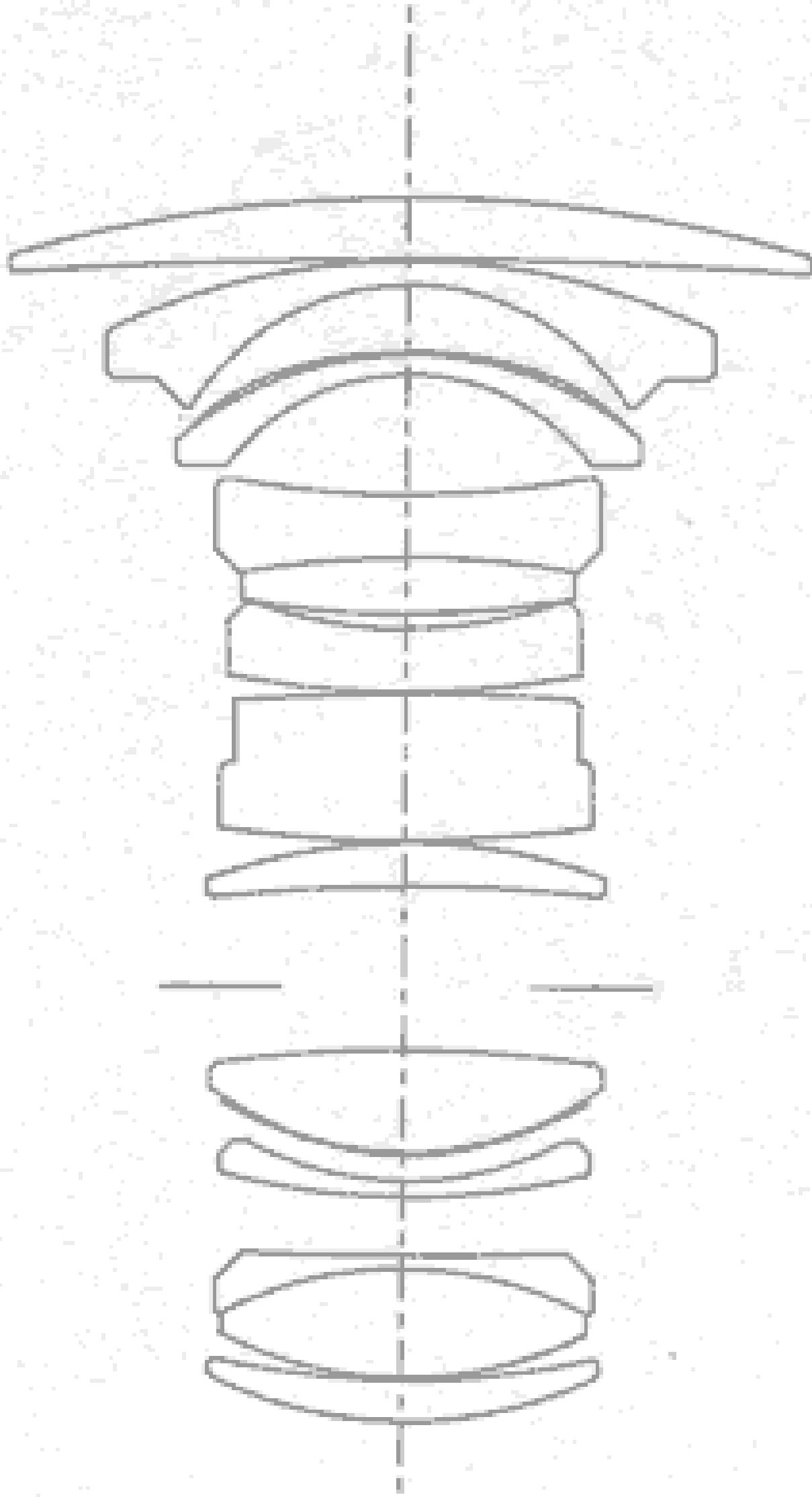




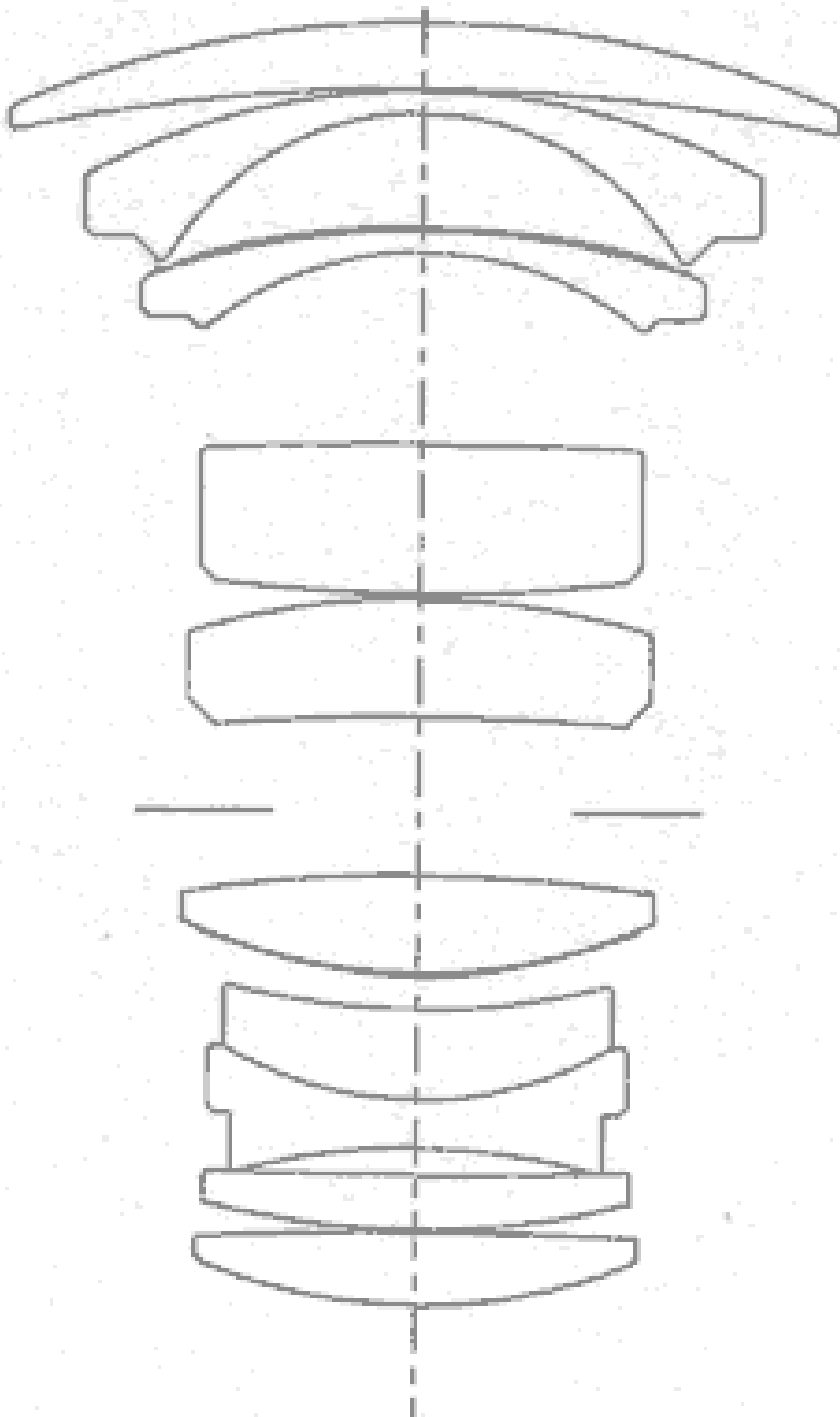








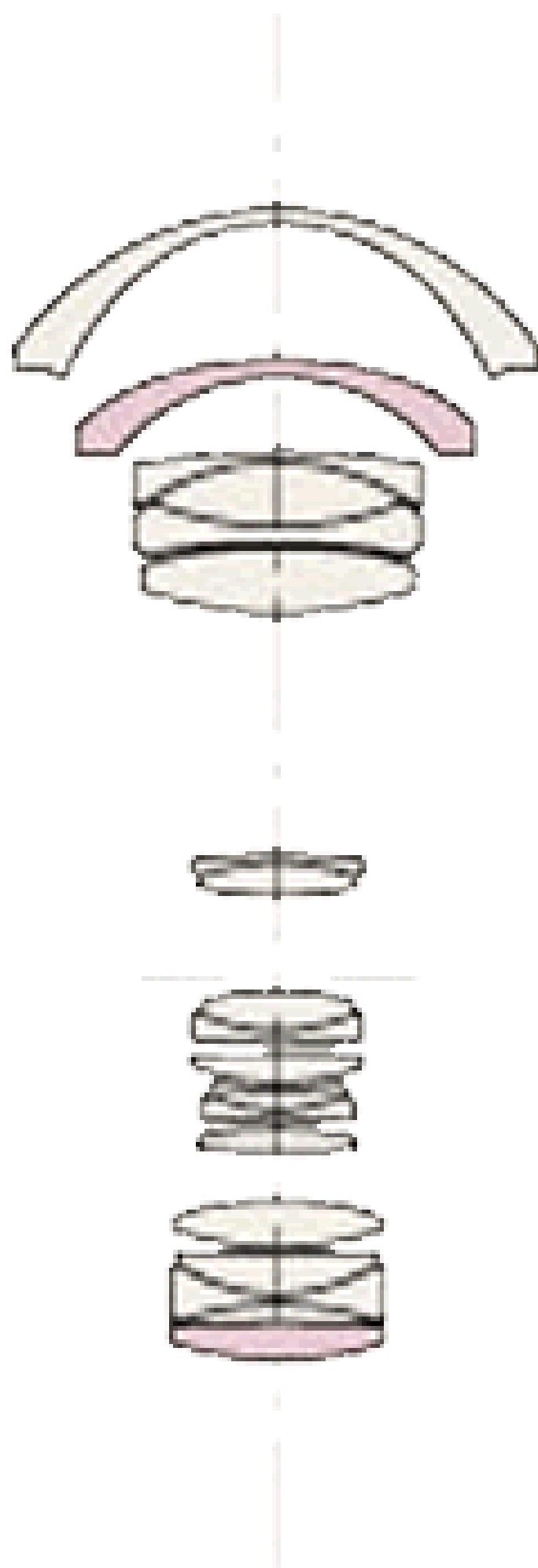














SIGMA

— AF —

15-30mm D

18 16 14 12 10 8 6 5.6 5 4.5 4 3.5  
2 1.8 1.6 1.4 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2

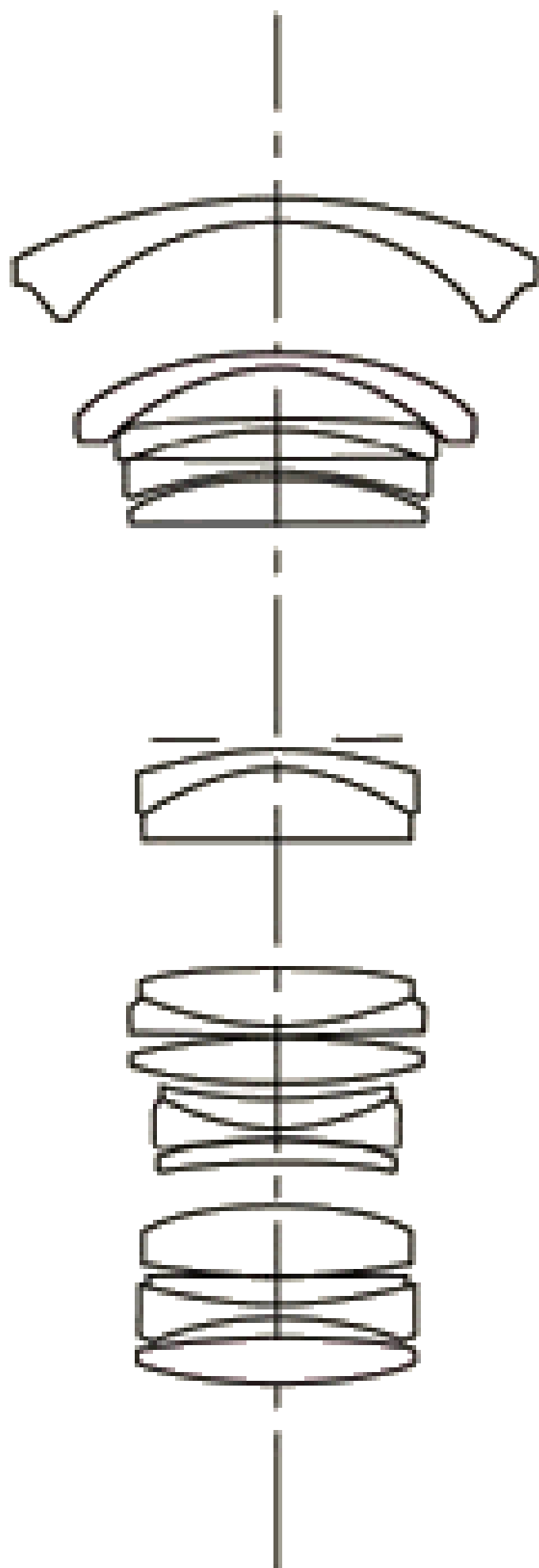
EX  
ASPHERICAL IF

30 24 20 17 15

22 16 11 8 5.6 3.5

22 16 11 8 5.6 3.5







— AF —

20-40mm D

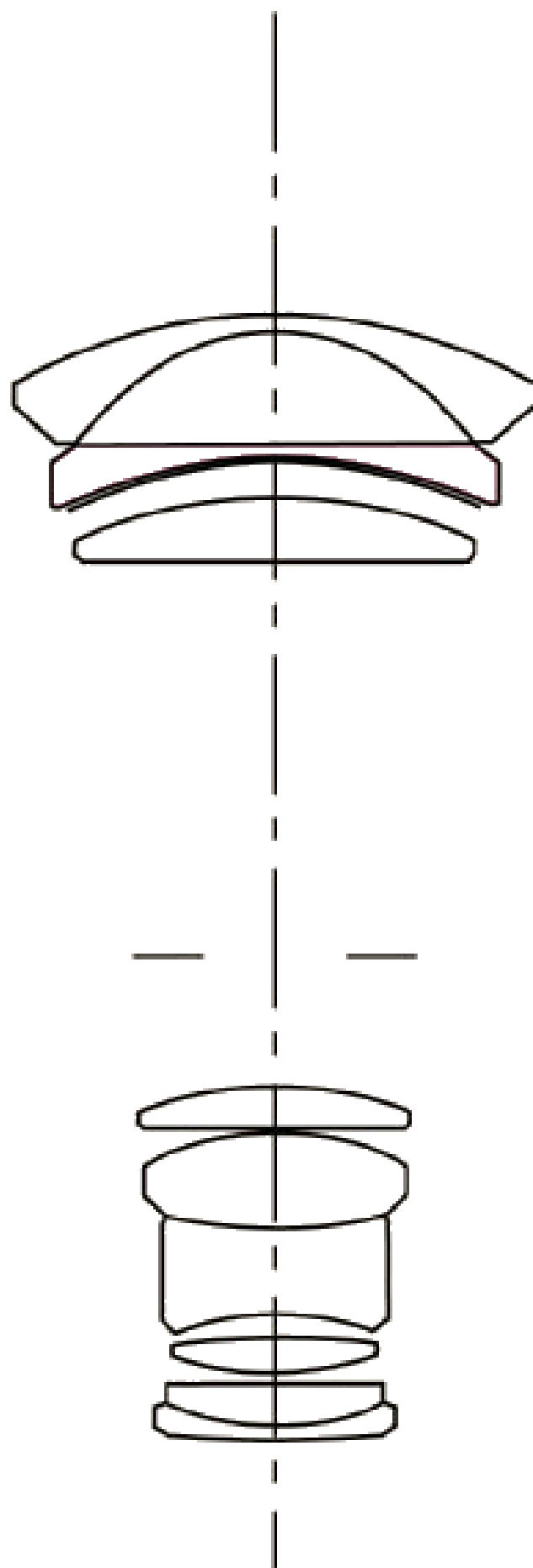
32 22 16 8 1 8 16 22 32  
2 5.10L 11  
5 1 3 16

2.8  
ASPHERICAL IF

40 35 28 24 20

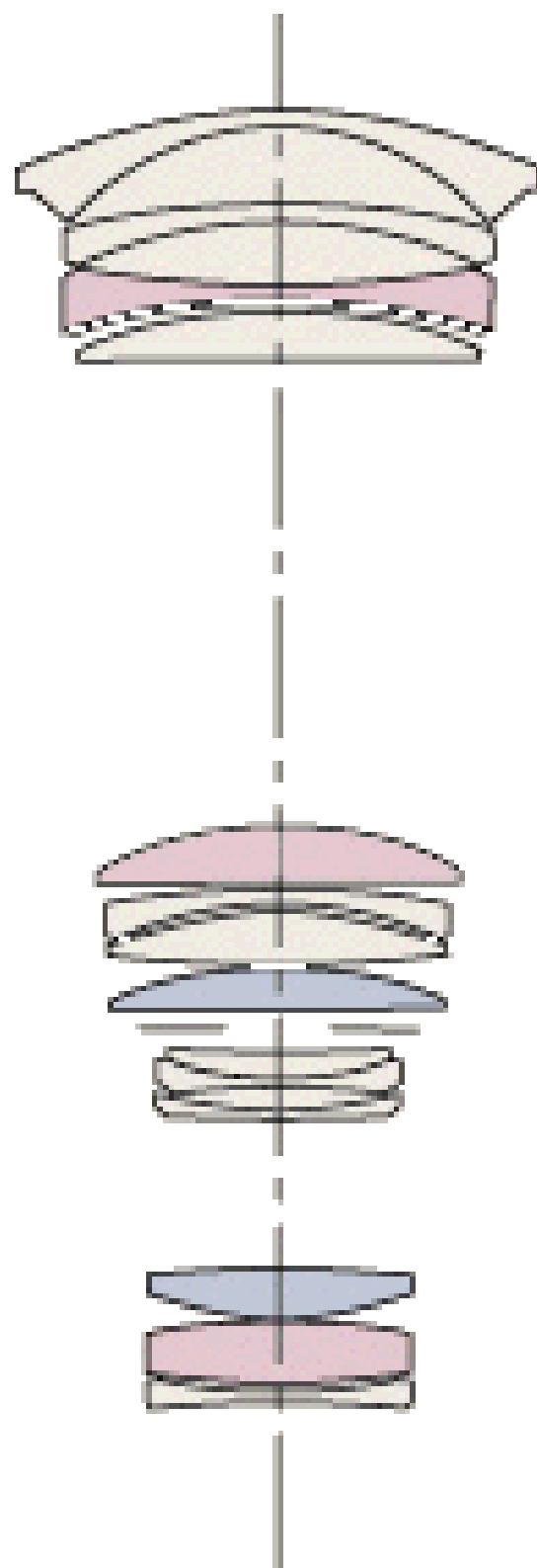
22 16 11 8 5.6 4 2.8

22 16 11 8 5.6 4 2.8













— AF —

28-70mm

32 22 16 11 | R 11 16 22 32

3 5 10  
3 1 1.5 3



EXTRA  
ASPHERICAL

70

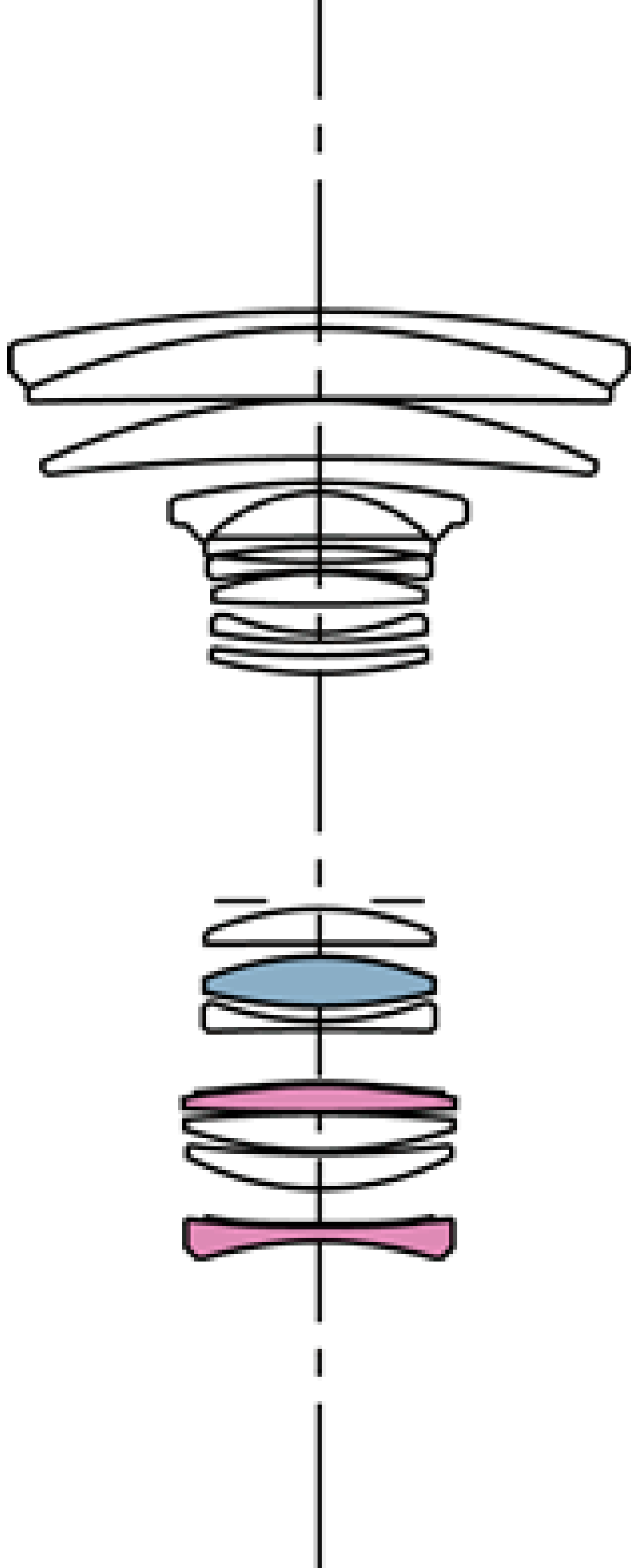
50

35

28

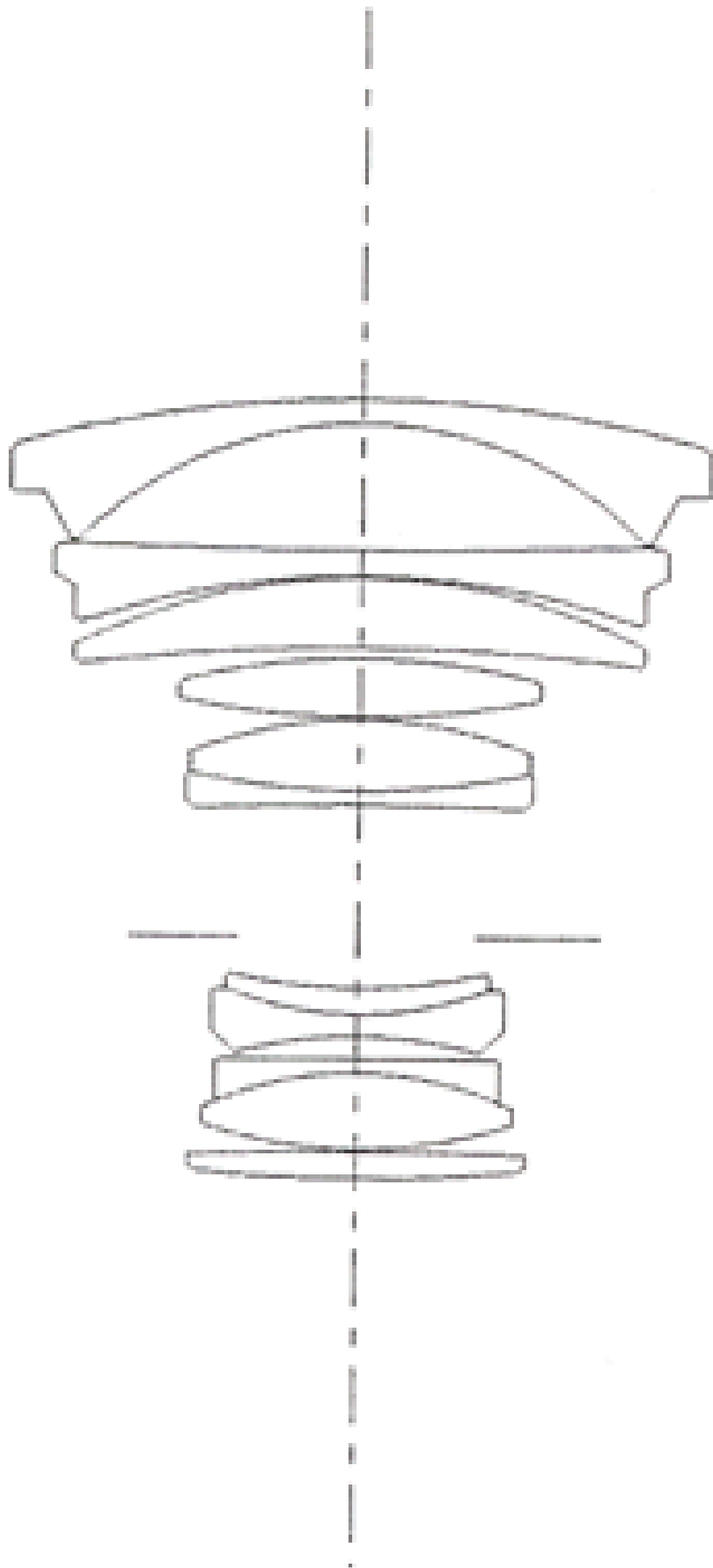
32 22 16 11 8 5.6 4 2.8

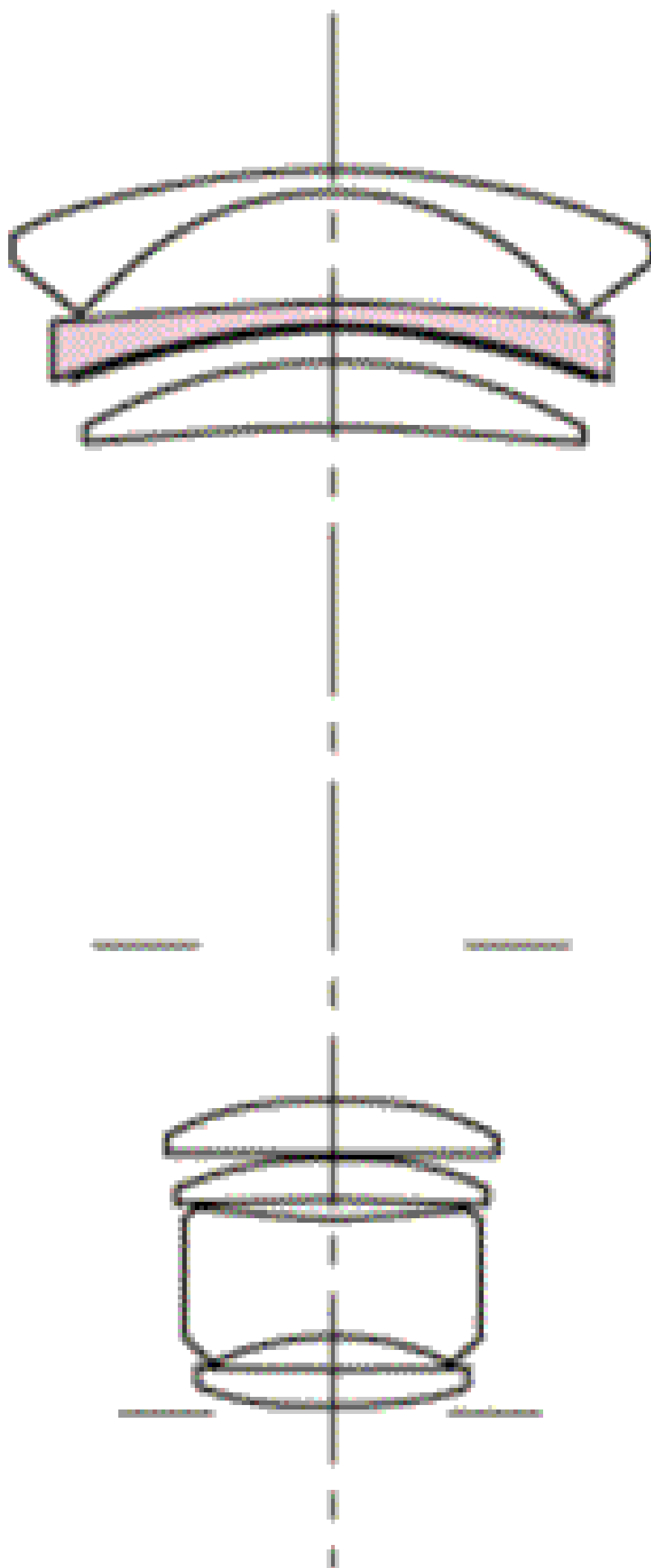
32 22 16 11 8 5.6 4 2.8





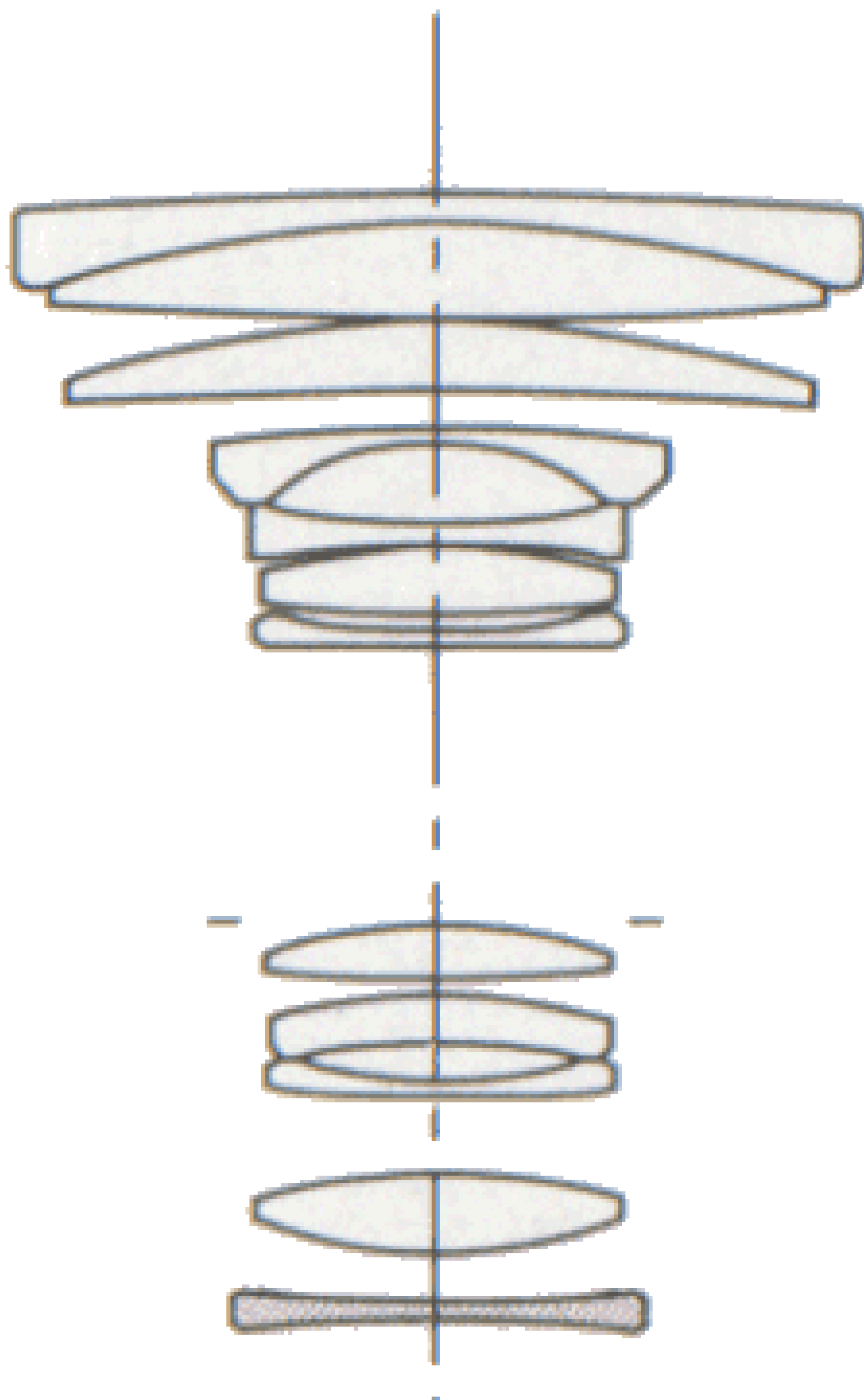




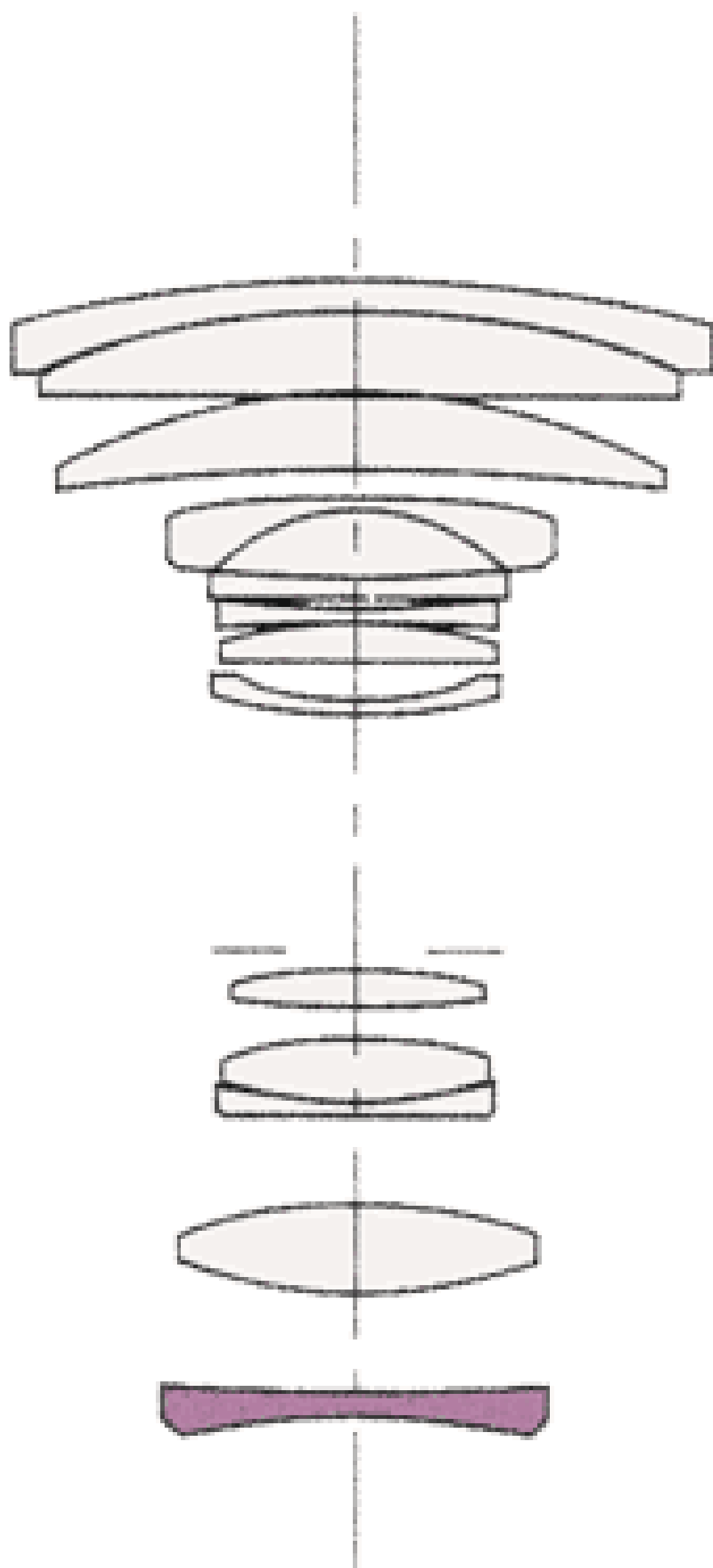






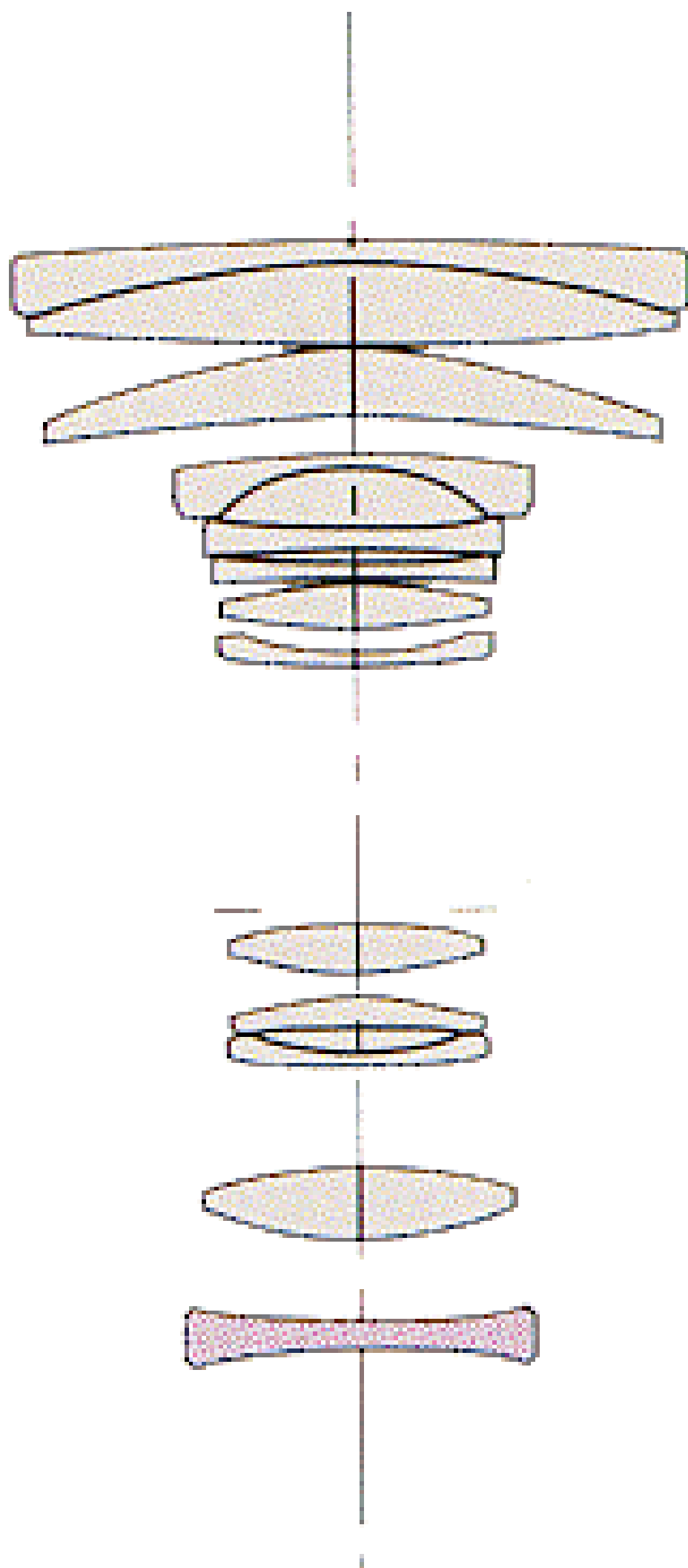






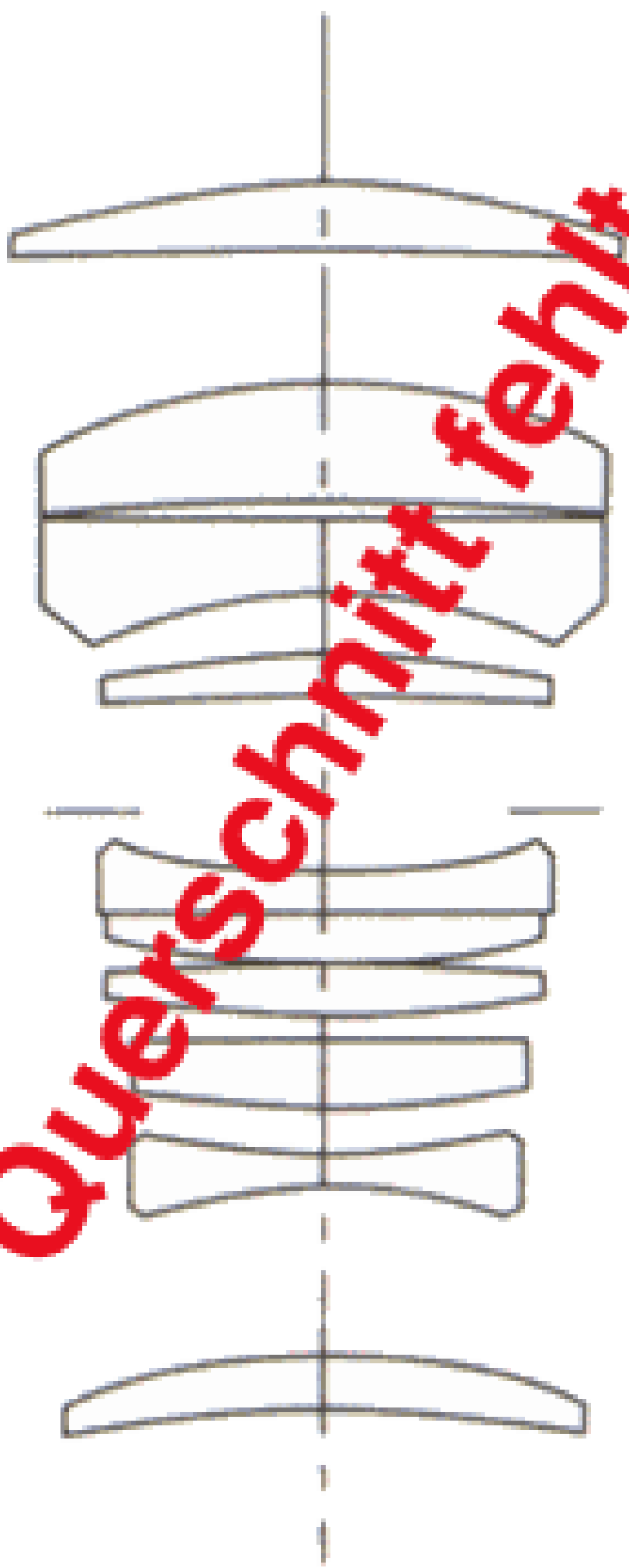








Querschnitt fehlt



2 3.5 7 25  
0.5 1 2 3 5 10

L ∞ ft  
m

SIGMA

28-300mm 1:3.5-6.3

28 35 50 70 100 200 300

22 16 11 8 5.6 3.5

22 16 11 8 5.6 3.5

