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**41108**  
**Photoadapter Push Fit 49.5**  
**User Guide**

0618

## Contents

41108 Photoadapter Push Fit 49.5

41120 44~42 Step Ring

41123 44~28 Step Ring

Hexagonal key 0.7mm

## The 41108 Photoadapter Push Fit 49.5

is designed for use with the HDF T 40862 zoom eyepiece converting ES, GS, MM3/4 and IS telescopes into long focal length telephoto lenses for telephotography or digiscoping.

## Assembly and Fitting (all camera types)

1. Make sure the correct eyepiece is fitted securely to the telescope.
2. Set the eyecup to the down position.

3. Fit the correct step ring to the photoadapter; 44~42 for SLR/compact system cameras, 44~28 for suitable compact cameras.
4. Pre-set the eyepiece magnification to minimum.
5. Place adapter over the eyepiece and push down until the internal wall contacts with the end of the eyepiece.
6. Hold the main section of the adapter secure and tighten the locking screw.
7. (SLRs & CSCs) Fit an appropriate T-mount between the photoadapter and the camera body.

8. (Compatible compact cameras) Connect the camera lens mount to the 28mm thread on the photoadapter.

## Focal lengths with HDF T 40862

### eyepiece

**ES 80** - 1000mm

**ES 100** - 1350mm

**GS 52** - 600mm

**GS 665** - 800mm

**MM3/4 50** - 600mm

**MM3/4 60** - 750mm

**IS 60** - 750mm

**IS 70** - 800mm

1. Focal lengths listed are approximate and based on 35mm SLRs. Many SLRs and CSCs use different sized image sensors so a telephoto conversion figure must be calculated separately.
2. Focal length is calculated at lowest magnification setting.

## Notes

1. If you find the camera is at an odd angle when attached - loosen the locking ring, rotate the camera into line and re-tighten.
2. Focusing is facilitated on the telescope.
3. Camera may need to be operated in manual mode with shutter locks disengaged where necessary.
4. The high magnification to aperture ratios result in slower shutter speeds compared with conventional telephoto lenses so choose an ISO setting of 400. For 35mm SLRs 400 ASA film is recommended. If possible use a cable release or remote control to reduce camera shake when operating the shutter.