

**Focal lengths using 40936 SDLv2 set to lowest magnification**

**HR 66** - 900mm      **HR 80** - 1200mm  
**ES 80** - 1000mm    **ES 100** - 1350mm  
**GS 52** - 600mm    **GS 665** - 800mm  
**MM3 50** - 600mm   **MM3 60** - 750mm

**Focal lengths using 40935 SDL set to**

**HR 66 36x**, **HR 80 48x**, **ES 80 40x**,  
**ES 100 54x**, **GS 52 24x**, **GS 665 32x**,  
**MM3 50 24x**, **MM3 60 30x**

to avoid distortions apparent at lower magnification settings

**HR 66** - 1800mm    **HR 80** - 2400mm  
**ES 80** - 2000mm    **ES 100** - 2700mm  
**GS 52** - 1200mm   **GS 665** - 1600mm  
**MM3 50** - 1200mm **MM3 60** - 1500mm

**Focal lengths using SDL/SDLv2 and 41115 SLR EP Adapter (Magnification factor 1.37x)**

Zoom set to lowest magnification

**HR 66** - 1230mm    **HR 80** - 1640mm  
**ES 80** - 1370mm    **ES 100** - 1850mm  
**GS 52** - 820mm    **GS 665** - 1100mm  
**MM3 50** - 820mm   **MM3 60** - 1030mm

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**41114**  
**Photoadapter Push Fit SDL**  
**User Guide**

## Contents

41114 Photoadapter Push Fit SDL

41120 44~42 Step Ring

41123 44~28 Step Ring

Hexagonal key 0.7mm

The **41114 Photoadapter Push Fit SDL** connects HR, ES, GS & MM3 telescopes fitted with SDL 40935/40936 eyepieces to either SLR/compact system cameras (CSCs) or compact cameras with a compatible  $\varnothing 28\text{mm}$  lens mount or converter tube.

## 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. (SLR/CSC only) Attach the optional 41115 SLR EP adapter. Recommended for use with 40935 SDL eyepiece.
5. Pre-set the eyepiece magnification according to set-up;
  - (i) SLR + 40936 SDLv2 eyepiece. Set to lowest magnification.
  - (ii) SLR + 40935 SDL eyepiece. Set to HR 66 **36x**, HR 80 **48x**, ES 80 **40x**, ES 100 **54x**, GS 52 **24x**, GS 665 **32x**, MM3 50 **24x**, MM3 60 **30x**
  - (iii) 40936 SDLv2 or 40935 SDL eyepiece + 41115 SLR EP adapter. Set to lowest magnification.
- (iv) Compact camera/camcorder. Set eyepiece to lowest magnification.
6. Place adapter over the eyepiece and push down until the internal wall contacts with the end of the eyepiece.
7. Hold the main section of the adapter secure and tighten the locking screw.
8. (SLRs & CSCs) Fit an appropriate T-mount between the SLR adapter or photoadapter and the camera body.
9. (Compatible compact cameras) Connect the camera lens mount to the 28mm thread on the photoadapter.

## 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.