**SPAF60mm F/2 Di II LD [IF] MACRO1:1 (Model G005)**

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Thank you for purchasing the Tamron lens as the latest addition to your photographic equipment. Di II lenses are designed for digital SLR cameras using image sensors equivalent to APS-C size. Before using your new lens, please read the contents of this Owner’s Manual thoroughly to familiarize yourself with your lens and the proper techniques for creating the highest quality images possible. With proper handling and care, your Tamron lens will give you many years of photographing beautiful and exciting pictures.

- **EXPLANATIONS**
  - Explains precautions that help to prevent problems.
  - Explains things you should know in addition to basic operations.

### NOMENCLATURE (Refer to Fig. 1, if not specified)

1. **Lens hood**
2. **Hood attaching alignment mark**
3. **Hood fixing alignment mark**
4. **Filter attaching ring**
5. **Hood attaching and removing alignment mark**
6. **Focusing ring**
7. **Length/Macro magnification scale alignment mark**
8. **AF-MF altering switch**
9. **Lens attachment mark**
10. **Signal contact**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>60 mm</td>
</tr>
<tr>
<td>Maximum Aperture</td>
<td>F/2</td>
</tr>
<tr>
<td>Angle of View</td>
<td>26°35</td>
</tr>
<tr>
<td>Lens Construction</td>
<td>1:1:74</td>
</tr>
<tr>
<td>Minimum Focusing Distance</td>
<td>0.23 m (9.1')</td>
</tr>
<tr>
<td>Maximum magnification ratio of shooting</td>
<td>1:1</td>
</tr>
<tr>
<td>Filter Size &quot;ø&quot;</td>
<td>55 mm</td>
</tr>
<tr>
<td>Length</td>
<td>80 mm (3.15&quot;)</td>
</tr>
<tr>
<td>Diameter &quot;ø&quot;</td>
<td>73 mm (2.9&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>400 g (14.1 oz)</td>
</tr>
<tr>
<td>Lens Hood</td>
<td>HG005</td>
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</tbody>
</table>

**LENGTHS AND WEIGHTS LISTED IN LENS SPECIFICATIONS ARE FOR LENSES WITH NIKON MOUNT.**

### ATTACHING AND REMOVING THE LENS (Ref. Figs. 1.)

**How to mount the lens**

Removing the rear cap of the lens. Align the lens attachment mark (ø') on the lens barrel with its counterpart on the camera mount and insert the lens.

Rotate the lens clockwise (in case of Nikon lens, counter-clockwise) until it clicks.

**How to detach the lens**

Pressing the lens release button on the camera down, turn the lens counter-clockwise (in case of Nikon lens, clockwise) and lift the lens off the camera’s lens mount.

- **Image circles of Di II lenses are designed to match the digital SLR cameras using the image sensors equivalent to APS-C (approx. 15.5 x 23.2 mm). Di II lenses are for use with cameras using image sensors larger than APS-C.**

### FOCUSING (Autofocus) and using the full-time manual function

In case of Sony cameras, switch the focusing mode switch of the camera to Auto focusing mode (AF). In case of a Nikon or Canon camera, switch the AF/MF switch (ø') on the lens to AF. (Fig. 3). In case of Nikon camera with the focus mode selector dial, set the focus mode to “S" or “C", and then set the AF/MF switch on the lens side (ø') to “AF”. Press the shutter button lightly while viewing through the camera’s viewfinder, the lens focuses automatically. An in-focus mark will light when lens focuses on the main subject sharply. Press the shutter button further to photograph.

#### Using the full-time manual function?

The full-time manual function is a function that the focus can be fine-tuned by the manual focus without switching the AF/MF changing switch when taking a picture of auto focus.

- **How to use the full-time manual function**
  - First, set the focus mode to “AF”.
  - You can adjust focus manually while turning the focusing ring in the shutter button is pressed lightly.

**Precautions in Shooting**

- **The optical design for Di II takes into consideration the various features of single reflex cameras.** However, due to the configuration of the single reflex cameras, even when the autofocus accuracy is within specifications, the focal point may not be a little forward or behind the optimum point when shooting with auto focus under some conditions.

- **The image circles of Di II lenses are designed to match the digital SLR cameras using the image sensors equivalent to APS-C (approx. 15.5 x 23.2 mm). Do not use Di II lenses with cameras using image sensors larger than APS-C.**

- **(Go05) employ an internal focusing (IF) system. Because of the characteristics of this optical design, the angles of view at distances other than infinity are wider than that of the lenses applying an ordinary focusing system.**

- **When the built-in flash on the camera is used, the edge of the built-in flash and/or the relative position of the flash to the edge of the lens barrel which causes shadows on the image. It is strongly recommended to use a suitable separate flash unit provided by the camera manufacturer for all flash photography.**

For further details, please read the “built-in flash” article on the instruction manual of your camera.

- **The use of teleconverters is not recommended due to the optical performance of the lens.**

- **When using the lens in the telephoto focal range, please be careful with the camera shake. Effective way to avoid the camera shake is using an ISO setting of higher numbers. Using a tripod or monopod is also effective.**

#### Lens APERTURE AND AE MODE

Please follow the instruction manual of your camera.

#### LENS HOOD (Ref. Figs. 1., 5., 6., & 7.)

A bayonet-type lens hood is provided as standard equipment. We recommend shooting “SHOOTING” when your camera is equipped with a built-in flash.

- **Align the hood attaching alignment mark (ø’). The lens hood will be securely held as the mark TAMRON “ø’” comes to the top (Fig. 6).**

- **When set on AF mode, interfering with focusing ring (ø’) may cause serious damage to the lens mechanism.**
- **The distance scale (ø’) is marked for guidance purposes. The actual focal point may slightly differ from the distance marked on the focal length index.**

**LENS HOOD ATTACHING AND REMOVING**

1. **How to attach the lens hood**
   - Align the hood attaching alignment mark (ø’).
   - Align the hood attaching alignment mark (ø’) on the hood with the index mark for EF lenses.
   - Do not forcibly align the lens attachment mark with the index mark for EF-S lens (white square).
   - Do so could result in damage to the lens and/or camera.

2. **How to remove the lens hood**
   - Point the lens hood toward to opening, then align the hood attachment mark (ø’) and then remove the lens hood (ø’).

**LENS HOOD ATTACHING AND REMOVING**

- **For further details, please read the instruction manual of your camera.**

**Focus ring**

- **Even in the MF mode, turning focusing ring (ø’) while pressing the shutter button halfway the focus aid function lamp lights up when the picture is in focus.**
- **At infinity, make sure the image in the viewfinder appears sharp. The infinity position on Go05 is marked with certain allowances to ensure proper focus under a variety of conditions.**
- **For further details, please read the instruction manual of your camera.**

**LENS HOOD ATTACHING AND REMOVING**

- **Align the hood attaching alignment mark (ø’).**
- **Align the hood attaching alignment mark (ø’) on the hood with the corresponding hood attaching bayonet ring (ø’).**
- **Rotate it clockwise to secure (Fig. 5). The lens hood will be securely held as the mark TAMRON “ø’” comes to the top (Fig. 6).**

- **Pay particular attention to align the hood attaching indexes when using zoom lenses including wide-angle (ø’.55 mm or wider) settings. Improper attachment of a hood for wide-angle zoom lenses may cause a light shaded areas in your pictures.**

**Removing the lens hood**

- **Turn the hood (ø’).**
- **Turn the hood (ø’).**

**Removing the lens hood when stowing**

- **Turn the hood (ø’).**
- **Turn the hood (ø’).**