

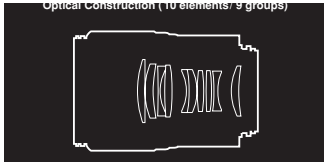
SP AF90mm F/2.8 *Di* MACRO 1:1 **NEW**

SP-Series Lens Featuring High Design Specifications

Tamron's SP (Super Performance) series is a line of high performance lenses featuring high design specifications. In designing the SP series lenses, the first and foremost priority is put on superior specifications and outstanding performance free from cost restraint. Therefore, SP lenses featuring impressive and innovative designs are concept models among Tamron lenses.



Optical Construction (10 elements/ 9 groups)



One-touch AF/MF switchover function* on the focus ring

Simply sliding the focus ring back and forth quickly performs the one-touch AF/MF switchover function. The focus ring is sufficiently wide to enhance handling comfort while in the macro mode since this type shooting involves frequent switching between AF and MF.

*The one-touch switchover function is available in Nikon AF-D and Canon AF mounts only. The Sony AF and the Pentax AF mounts require switchover in two steps.

Ultra lightweight design using engineering plastic components in abundance

Tamron reconciles portability and remarkable image quality at a very high level in this SP lens. The SP AF90mm uses engineering plastic parts confidently in its barrel and mechanical parts in order to make it the most lightweight design in this class.

Model 272E Specifications

Model :	272E
Focal Length :	90mm
Angle of View :	27°
Maximum Aperture :	F/2.8
Optical Construction :	10 elements in 9 groups
Number of Diaphragm :	9 blades
Minimum Object Distance :	0.29m
Max.Magnification Ratio:	1:1
Overall Length :	97mm
Maximum Diameter :	ø 71.5mm
Filter Size :	ø 55mm
Weight :	405g
Standard Accessories	Lens hood and case

For Canon AF, Sony AF-D, Nikon AF-D and Pentax AF cameras.

*Values given are for Nikon AF cameras.

SP AF180mm F/3.5 *Di* LD (IF) MACRO 1:1

Features the FEC (Filter Effect Control) function that enhances operational ease of Polarizing Filter use

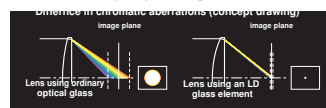
The Filter Effect Control is designed to rotate the filter to the desired position while the hood is attached. This is accomplished by turning the FEC ring that in turn rotates the portion of the filter mount where the filter is mounted.

*Please use 72mm diameter PL filters.



Uses two LD glass elements for effective compensation of chromatic aberrations ensuring outstanding image quality

LD (Low Dispersion) glass elements minimize the sharpness fall-off often seen as a result of the chromatic aberrations that are commonly apparent in the closer focusing range of telephoto lenses.



Features floating IF systems that maintains the overall lens length

The lens' overall length does not change since the lens features Tamron's original floating IF (Internal Focusing) system designed to move groups of lens elements within the lens barrel when focusing. Therefore, it maintains optimum balance for better handling and allows you to maintain your position while focusing for better image composition. The lens also features an AF/MF switchover function for easy handling.

*Nikon AF-D and Canon AF mounts only.

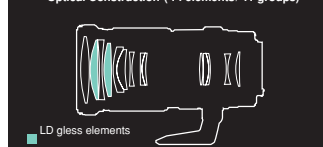
Model B01 Specifications

Model :	B01
Focal Length :	180mm
Angle of View :	14°
Maximum Aperture :	F/3.5
Optical Construction :	14 elements in 11 groups
Number of Diaphragm :	7 blades
Minimum Object Distance :	0.47m
Max.Magnification Ratio:	1:1
Overall Length :	165.7mm
Maximum Diameter :	ø 84.8mm
Filter Size :	ø 72mm
Weight :	920g
Standard Accessories	Lens hood and case

For Canon AF, Sony AF-D, and Nikon AF-D cameras.

*Values given are for Nikon AF cameras.

Optical Construction (14 elements/ 11 groups)



Caution : Please read the instruction manual carefully before using the lens.

TAMRON
TAMRON Europe GmbH

Manufacturer of lenses of photographic, industrial, laboratory, video, and scientific applications.

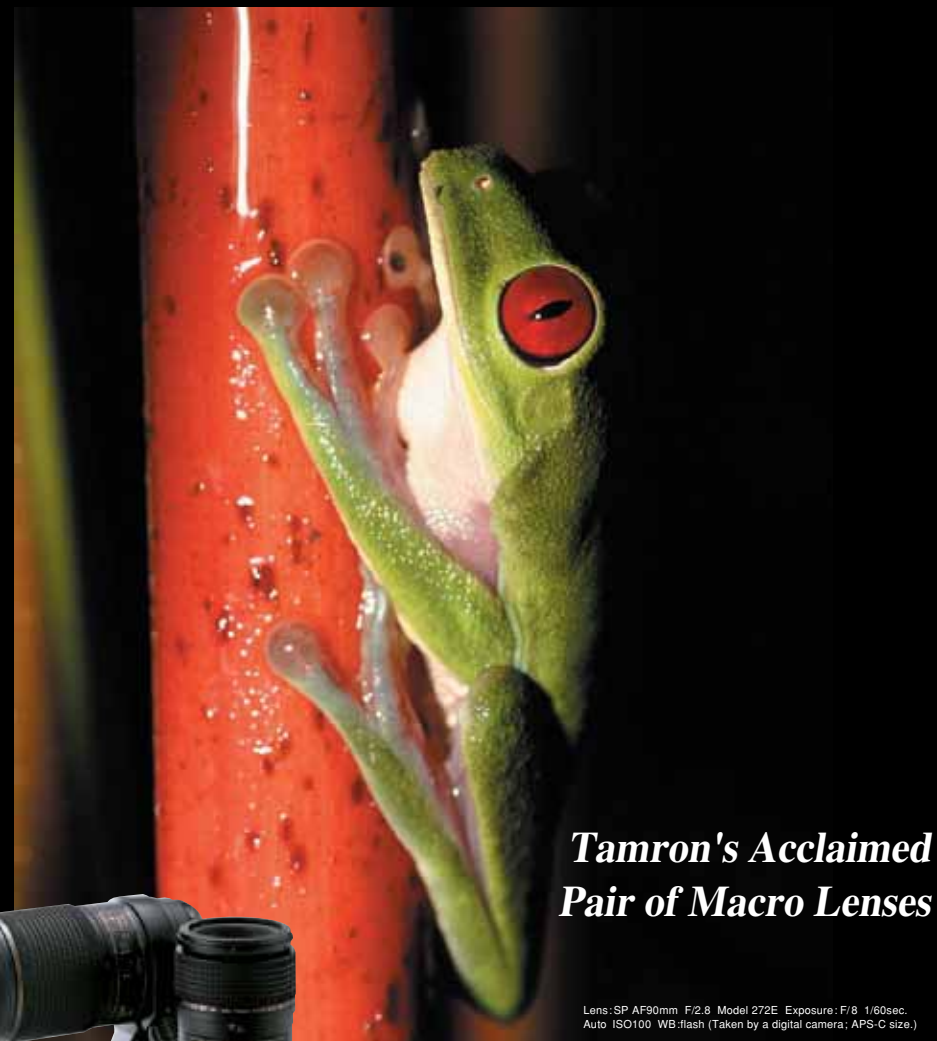
Robert-Bosch-Straße 9
D-50769 Cologne
Tel.: +49 (0)221 97 03 25-0
Fax.: +49 (0)221 97 03 25-4
info@tamron.de



ISO 9001 Certified
Tamron operates a quality management system that has been certified as conforming to ISO 9001.
ISO 14001 Certified
Tamron operates an environmental management system that has been certified as conforming to ISO 14001.

MCW-EG-111-U-0403-0200

TAMRON® SP AF90mm F/2.8 *Di* MACRO 1:1 SP AF180mm F/3.5 *Di* LD (IF) MACRO 1:1 **NEW**



*Tamron's Acclaimed
Pair of Macro Lenses*

180mm : Model B01

90mm : Model 272E

Lens: SP AF90mm F/2.8 Model 272E Exposure: F/8 1/60sec.
Auto ISO100 WB: flash (Taken by a digital camera; APS-C size.)

Model 272E For Canon AF, Sony AF-D, Nikon AF-D, and Pentax AF cameras.
Model B01 For Canon AF, Sony AF-D, and Nikon AF-D cameras.
<http://www.tamroneurope.com/>



Lens: SP AF90mm F/2.8 Model 272E Exposure: F/8 1/30sec. Auto ISO 50 with Flash (Taken by a film camera.)

*World renowned SP90mm is redesigned
for superior film and digital photography*



NEW

**SP AF90mm F/2.8
Di MACRO 1:1**

For Canon AF, Sony AF-D, Nikon AF-D, and Pentax AF cameras.



European Lens of the Year '97-'98
(Bestowed to model 72E)



Lens: SP AF90mm F/2.8 Model 272E Exposure: F/4 Auto ISO200 WB: shade (Taken by a digital camera; APS-C size.)

Life-size macro to portrait photography...

This lightweight yet high-performance macro lens offers you sharp image depiction with ideal background blur. Often referred to as "the portrait macro" and capable of taking 1:1 life-size macro shots, Tamron's 90mm is ideal for a variety of subjects.



Lens: SP AF90mm F/2.8 Model 272E Exposure: F/5.6 Auto ISO200 WB: daylight Macro Magnification Ratio: 1:1 (Life-size) (Taken by a digital camera; APS-C size.)

World renowned macro lens is now ideal for film and digital photography.

Widely acclaimed SP90mm macro is now reborn as a "Di" lens that is perfect for use with both film and digital cameras.

*The "Di" design is achieved by applying a new optical multi-coating to its element surfaces.



Di is the designation Tamron puts on lenses featuring optical systems designed to meet the performance characteristics of digital SLR

Differences in Pictures Taken with 90mm and 180mm – the same main subject taken at the same size

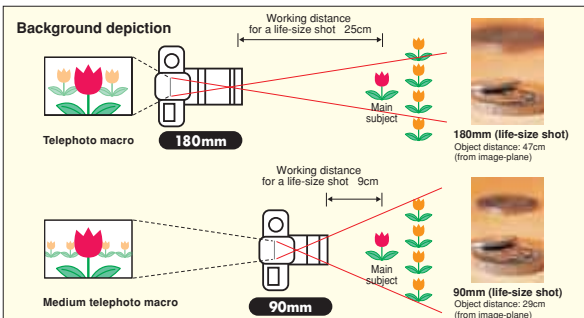
① Working distances are different.

- 180mm → You can capture the subject from further away.
- 90mm → You can shoot subjects that are closer to you with a little more ease.

★ The 180mm is ideal for shooting subjects that are further away, like creatures afar or blossoms on a sprig, while shooting subjects on a table or an insect/flower at a closer working distance is a little easier with the 90mm.

② Background depiction is different.

- 180mm → Pulls objects behind the main subject closer. The scope taken within a frame is smaller than with the 90mm and the background blur is greater, making the distinction from the background easier.
- 90mm → The scope is wider, but natural perspective can be obtained. The depth of field is deeper than that of the 180mm, so focusing is relatively easier.



Differences in Angles of View with Film Camera and Digital Camera (APS-C size)

When used with an APS-C size digital camera, the 90mm lens provides an angle of view equivalent to a 140mm while the 180mm will be equivalent to a 240mm (using a conversion to 35mm).

Subject taken at the same distance (film vs. digital)
(Object distance: about 47cm / 18.5")

	w/90mm	w/180mm
film camera		
digital camera		

★ When the same subject is photographed at the same distance, the 180mm lens magnifies the subject more than the 90mm. The subject is magnified more when captured with an APS-C size digital camera than with a film camera.

*Life's little subjects-
Tamron's great power*



**SP AF180mm F/3.5
Di LD (IF) MACRO 1:1**

For Canon AF, Sony AF-D, and Nikon AF-D cameras.



Lens: SP AF180mm F/3.5 Model B01 Exposure: F/5.6 1/40sec. Auto ISO200 WB: Auto (Taken by a digital camera; APS-C size.)

Capture subjects from further away with soft out-of-focus background

This telephoto macro lens exhibits its great power when taking macro shots where you may otherwise not have been able to get close enough to the subject. Greater background blur can be achieved compared with a 90mm macro lens.



Lens: SP AF180mm F/3.5 Model B01 Exposure: F/3.5 Auto ISO100 WB: daylight (Taken by a digital camera; APS-C size.)