

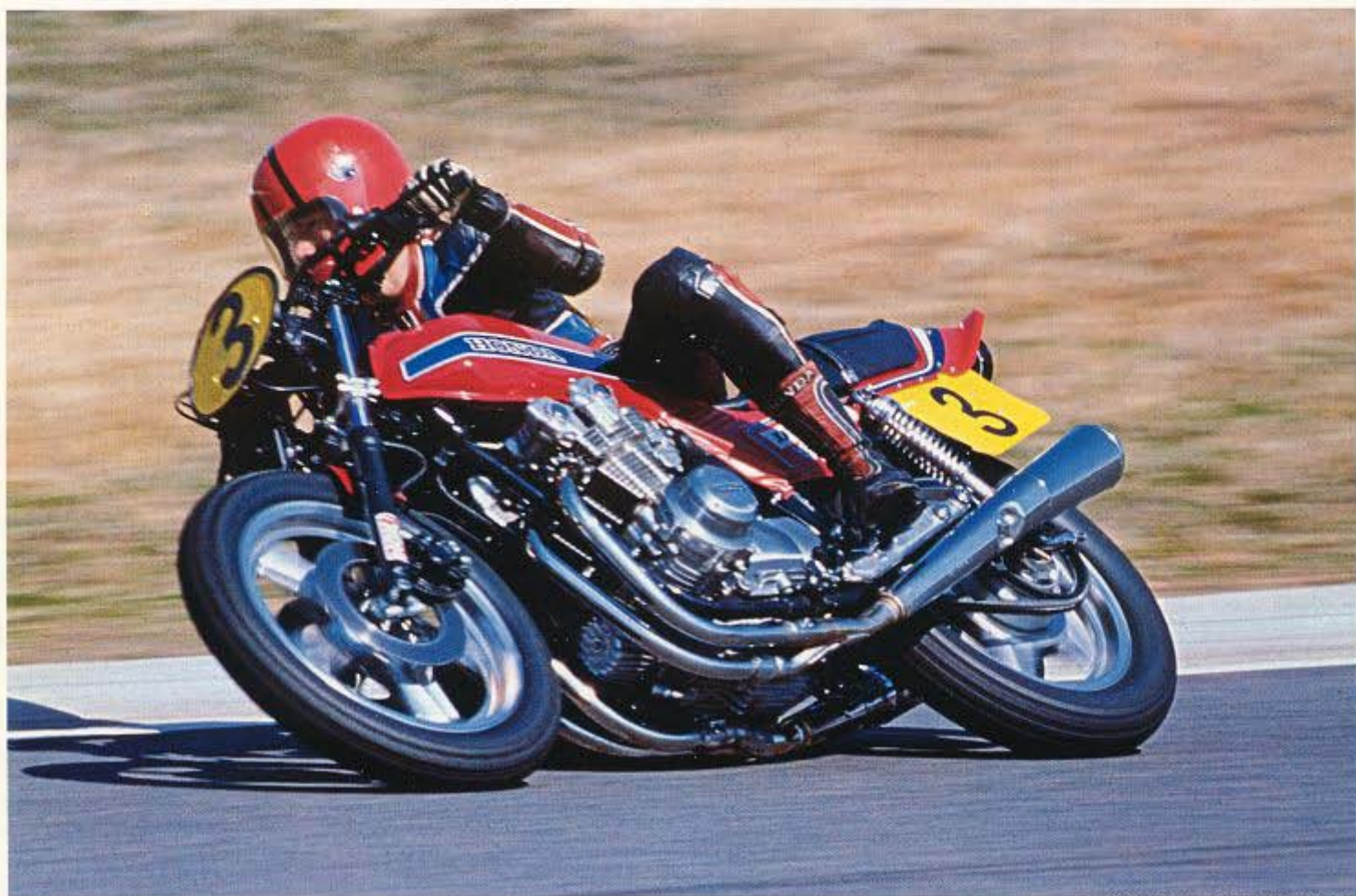
SUPER PERFORMANCE RANGE

TAMRON SP

Model **54B**

CF TELE-MACRO LENS GIVING OUTSTANDING FLAT-FIELD PERFORMANCE, CORNER TO CORNER

SP 300mm F5.6



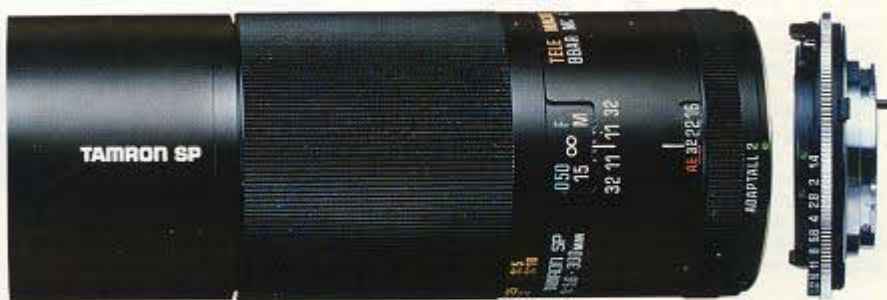
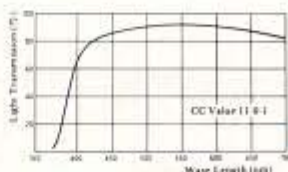
Obj. distance 18m F/8, 1/250sec.

A Minimum Object Distance of An Amazing 1.4 Meters (4.6 Feet) Achieved for The First Time in The World

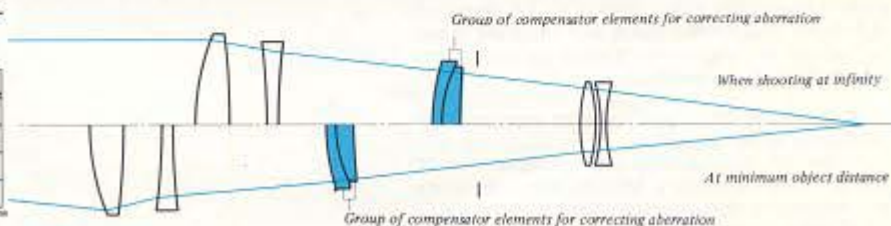
Tamron's innovative research and refusal to accept traditional design concepts has achieved this breakthrough in minimum object distance.

Previously it was thought that focusing by extending the front elements could not suppress focus-dependent aberration changes. Lenses of 300mm focal length that focused in this manner always had an inherent problem in that the spherical aberration caused tended to be considerably under-corrected. However Tamron has successfully found a solution to this problem by employing an additional group of cemented compensator elements placed in front of the diaphragm. As these elements are specially computed to be over-corrected for spherical aberration the under-correction caused when focusing by extending the front elements is automatically absorbed. Tamron has thus succeeded in compensating aberration changes to the absolute minimum resulting in sharp, flat-field images at all focus settings from infinity to the minimum object distance of 1.4 meters (4.6 feet).

BBAR (Broad-Band, Anti-Reflection) multiple layer coating provides an ideal colour contribution (C.C.) value of 11-0-1 resulting in optimum colour balance and outstanding true-to-life colour rendition.



Tamron SP 300mm optical configuration for compensating aberrations in close-focusing



Tamron Adaptall Interchangeable Mount System Each Tamron lens may be selected by owners of more than 250 individual SLR models. Each mount provides full cross-coupling with each camera's automatic diaphragm controls as well as complete TTL light metering, including open-aperture and AE-metering systems and ensures compatibility with most popular 35mm SLR cameras.

TAMRON

First 300mm Lens in The World with Tele-Macro Capability Giving 1:3.3 Macro Magnification from A Distance of 1.4 Meters (4.6 Feet).

(CF = Continuous Focusing) →



Obj. distance 40m F/11, 1/125sec.



Obj. distance 15m F/11, 1/125sec.



Obj. distance 1.4m F/11, 1/125sec.
Macro mag. ratio 1:3.3



Obj. distance 1.4m F/11, 1/125sec.
Macro mag. ratio 1:1.6 w/converter.

Tele-Macro

The Tamron SP 300mm lens is capable of focusing to as close as 1.4 meters (4.6 feet) with a staggering macro magnification ratio of 1:3.3. This "Tele-Macro" feature opens up new horizons for macro photography and allows photographs to be taken which have been almost impossible in the past. You can now photograph in the macro mode subjects which were difficult distance-wise previously because of the necessity to have to be close to the lens. For example small objects in a shop window, animals in a cage or a close-up of a model's eye. The SP 300mm lens allows hand-held macro photography with an auto-flash using the long working distance of 1.15 meters (3.8 feet).

Constant F-Number — The f-number does not change at any focus setting including macro.

Since the SP 300mm features a new innovative optical configuration whereby there is no change in the diameter of the exit pupil during focusing the f-number does not change from infinity to the minimum object distance. Therefore you can obtain the required exposure time without any correction even in auto-flash macro photography which previously required obtaining the necessary exposure time with the effective f-value and troublesome calculations.

● **Minimum Aperture of F/32**

All Tamron SP telephoto and zoom lenses have a minimum aperture of f/32 (f/64 with the SP flat-field 2X teleconverter). This allows greater flexibility in picture taking especially when using the new 400 ASA colour films. Increased depth-of-field can be obtained for added sharpness. Half-stops are provided from f/5.6 to f/16.

● **Quick-Focus**

The SP 300mm has "quick-focus" capability (only 130 degrees from infinity to 2.5 meters or 8.2 feet). This allows quick and accurate focusing which is particularly useful in sports and other action photography.

● **SP Flat-Field 2X Tele-Converter (optional extra) gives added versatility.**

With the SP flat-field 2X tele-converter the SP 300mm lens becomes a 600mm ultra-telephoto and the macro magnification ratio is increased to 1:1.6 while maintaining the minimum object distance of 1.4 meters (4.6 feet).

Specification

Focal Length	: 300mm
Aperture Range	: f/5.6-32, AE
Construction	: 6 elements, 5 groups
Coating	: BBAR multiple layer coating
Angle of View	: 8°
Min. Focus from	
Film Plane	: 1.4m (55 in.)
Working Distance	: 1.15m (45.3 in.)
Max. Magnification	: 1:3.3 (1:1.6 w/SP 2X tele-converter)
Focusing Ring	
Rotation	: 338° 02'
Accessories Size	: (129° 51' from inf. to 2.5m)
Overall Length	: 58mm
Overall Diameter	: 163.5mm (6.4 in.) at infinity
Weight	: 64.5mm (2.5 in.)
Lens Hood	: 610 grams (21.5 oz.)
Opt. Accessories	: Built-in, retractable
	: SP Flat-Field 2X tele-converter, Tripod mounting ring

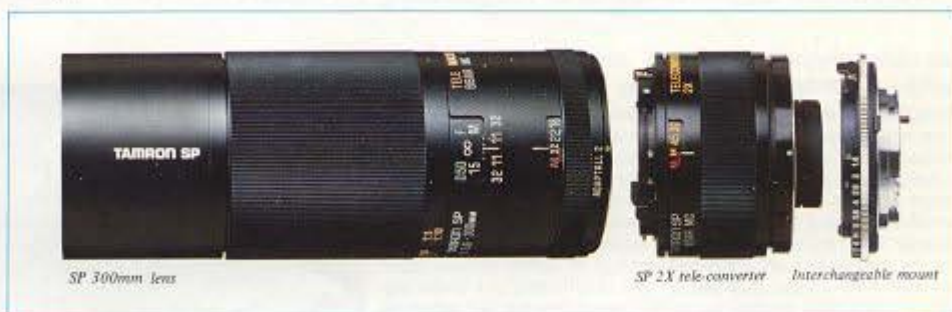
Exclusive Adaptall Mount

Tamron Adaptall mounts are available for most popular SLR cameras. They provide full meter and aperture coupling to faithfully reproduce all of the functions of the lens. Only one mount is necessary for each camera type regardless of lens design.

ADAPTALL/ADAPTALL-2 MOUNTS AVAILABLE

- Canon FD Series
- Canon FT Series
- Contax/Yashica Series
- Fujica ST Series
- Konica Autoreflex Series
- Mamiya SX Series
- Minolta MD Series
- Minolta SR Series
- Nikon F/AI Series
- Olympus OM Series
- Pentax ES/Spotmatic F Series
- Pentax SMC Series (Bayonet Series)
- Rollei SL/Voigtlander VSL Series
- Topcon RE Series
- Universal (Praktica 42mm Mount)
- "C" mount for CCTV/VTR cameras and 16mm movie cameras
- "MS" mount for CCTV/VTR cameras

Note: The SP Flat Field 2X Telo-Converter is compatible with all Adaptall-2 mounts. It is not suitable however for the previous Adaptall Canon FD, Konica AR, Topcon RE, Minolta SRT, early Nikon and Minolta Super/X mounts.



SP 300mm lens

SP 2X tele-converter

Interchangeable mount