

BESELER TOPCON SUPER D

photography takes a giant leap forward with this



behind-the-lens
meter system





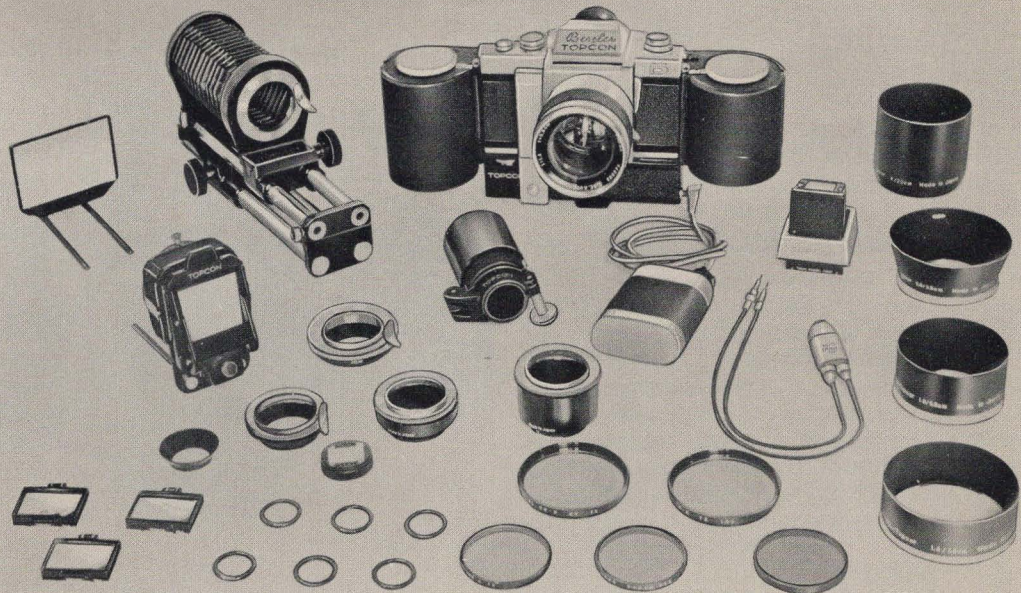
LENSES FOR THE BESELER TOPCON ^{SUPER} D

A series of fast, *superb-quality* lenses ranging in focal length from 25 to 300 mm. is available for the Beseler Topcon Super D. The bayonet mount of the camera body and lenses permits instant interchange. A quarter-turn counter-clockwise frees the lens from the camera; a quarter-turn clockwise after insertion locks it rigidly in position.

All RE. Auto-Topcor lenses have a built-in mechanism that stops down the lens to a pre-selected aperture when the shutter is released and instantly reopens the lens diaphragm to its widest aperture after the exposure is made. All R. Topcor lenses have the aperture preselection mechanism but must be stopped down manually before the exposure is made and reopened manually afterwards.

TOPCOR LENSES

Focal Length in mm.	Maximum Aperture and Type	Angle of View	Normal Focusing Range
25	f/3.5 RE. Auto-Topcor	82°	Infinity to 14"
35	f/2.8 RE. Auto-Topcor	63°	Infinity to 9"
58	f/1.4 RE. Auto-Topcor	41°	Infinity to 18"
58	f/1.8 RE. Auto-Topcor	41°	Infinity to 18"
90	f/3.5 R. Topcor	27°	Infinity to 3½'
100	f/2.8 RE. Auto-Topcor	24.5°	Infinity to 4'
135	f/2 R. Topcor	18°	Infinity to 6'
135	f/3.5 RE. Auto-Topcor	18°	Infinity to 4'
135	f/3.5 R. Topcor	18°	Infinity to 4'
200	f/4 R. Topcor	12°	Infinity to 7'
300	f/2.8 R. Topcor	8°	Infinity to 15'
300	f/5.6 R. Topcor	8°	Infinity to 15'



ACCESSORIES FOR THE BESELER TOPCON ^{SUPER} B

The versatility of the camera is extended considerably by the large number of accessories available for it. They include

EXTENSION TUBE SET—Three tubes (9, 15 and 30-mm. can be used singly or in various combinations to extend the lens beyond its normal focusing range for hyperclose-up photography. All three tubes have a bayonet mount to simplify and speed changes in combinations.

EXTENSION BELLOWS, Model III Double-rail attachment, fastest method of extending the lens for hyperclose-up photography. The top rails control the degree of lens extension, the lower ones position the attachment. The magnification ranges from 0.5x to 3x with a 58-mm. (standard) lens and 0.5x to 1.5x with a 100-mm. lens. The lower rails can be detached and used separately with the camera on the Copy Stand or on a tripod.

AUTOMATIC EXTENSION TUBE—A 9-mm. extension tube with semi-automatic lens diaphragm action when used with any RE. Auto-Topcor lenses. Can be used with other extension tubes.

MACRO-STAND ATTACHMENT—A fixed stage for small objects to be photographed at a predetermined scale of reproduction with no focusing problems. Inserts into Model III Extension Bellows and permits use of magnification scale of bellows.

SLIDE-COPYING ATTACHMENT—Used in combination with the Extension Bellows to which it is attached for duplicating transparencies and making negatives.

MICROSCOPE ATTACHMENT—Replaces the camera lens and connects the camera body

to a microscope for photomicrography. Hinged, tilting type. **FOCUSING SCREENS**—Available, interchangeable screens include 1) full area ground glass with fresnel lens, fine focus center circle, and split-image rangefinder, 2) fine focus spot surrounded by full-area ground glass, with fresnel lens, 3) full-area fine ground glass with fresnel lens and plain glass center spot with etched cross hairs, and millimeter scale along the right edge and bottom of the screen, 4) full-area ground glass with fresnel lens, clear center spot and horizontal and vertical lines etched at 6-mm. intervals. **COPY STAND**—Four-unit set-up including 20.28 x 20.28" wooden baseboard. Height of column is 18.72" without extension column, sufficient to copy a document 10.92 x 7.41". Extension column increases maximum height to 37.44", sufficient to reproduce a document 20.09 x 14.20" (Both dimensions when 58-mm. lens is used.)

WAIST-LEVEL VIEWFINDER—Especially suitable for overhead, low-angle, scientific photography. Interchanges instantly with pentaprism finder. Has full-size magnifier.

DOUBLE CABLE RELEASE For releasing shutter and lens diaphragm simultaneously.

FLASH UNIT SHOE—Attaches to top of rewind knob, accepts electronic or standard flashgun.

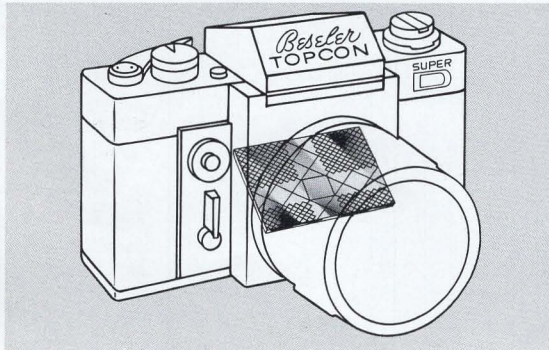
TOPCOR FILTERS—Finest quality for black-and-white and color photography.

LENS HOODS—Available with outside bayonet mount for Auto-Topcor lenses, screw-in mount for preset Topcor lenses.

EYE-CUP—Rubber eyepiece attachment to protect eyeglasses during viewing and focusing.

ONLY THE BESELER TOPCON ^{SUPER}D MEASURES EXACTLY WHAT THE LENS SEES— WITH ANY LENS—ANY FILTER—ANY ACCESSORY!

With this extraordinary engineering achievement, Beseler brings you a phenomenal 35-mm. single-lens-reflex far ahead of all others, the



first with a behind-the-lens meter system that measures only the light admitted by the lens, only the light that actually takes the picture.

An ultra-sensitive, CdS meter, built into the camera in a truly ingenious way, takes an average reading of the light reflected from the entire picture area. This reading is transmitted to a pointer mechanism in the pentaprism viewfinder to show you whether your settings are accurate for the existing light. (Another pointer is located in the window on top of the camera.) Internal coupling of the meter with the diaphragm of all lenses and the shutter speeds makes it possible to adjust either the lens aperture or shutter speed, or both, in order to obtain correct exposure.

HOW THE METER SYSTEM WORKS

The CdS cell is bonded to the back of the unique reflex mirror which has a grid pattern of thin slits. Through the slits, 7% of the light admitted by the lens is transmitted to the CdS cell, sufficient for accurate measurement but not enough to affect the ultra-bright ground glass viewing.

Since the CdS cell measures only the light admitted by the lens, the angle of view of the lens is the angle of acceptance of the meter. Therefore, the meter measures only and exactly what the lens sees—any lens, wide-angle, normal or telephoto—and requires no compensation for extension tubes, bellows or other hyperclose-up equipment; photomicrography attachments, even filters. Filter and magnification factors no longer are of any concern.



OTHER FEATURES OF THE BESELER TOPCON

The Beseler Topcon is everything a 35-mm., single-lens-reflex should be plus a remarkable light-measuring instrument. Easy-operating, marvelously versatile, just the right dimensions for convenient handling, it is the perfect camera for professional and amateur photography.

The unique, behind-the-lens meter system — *precise even with settings between f/stops and shutter speeds* — is only one of its outstanding features.

INTERCHANGEABLE VIEWFINDERS — Eye-level pentaprism can be replaced instantly with accessory waist-level finder which has full-size magnifier. Large-size eyepiece permits viewing all four corners of screen, even if you wear eyeglasses. Eyepiece lens interchangeable with correction lens —3 to +3 diopters). **INTERCHANGEABLE FOCUSING SCREENS** — Standard screen combines a true ground glass with fresnel screen, fine-focus ring and split-image rangefinder. Other screens are available for special purposes as accessories. Screen is interchangeable merely by lifting it out and snapping another in its place. **AUTOMATIC DIAPHRAGM ACTION** — All automatic lenses stop down to a preselected aperture when the shutter is released, and open wide again as soon as the exposure is made. **INSTANT-RETURN MIRROR** — Virtually eliminates picture blackout. The mirror is synchronized with the diaphragm action. It is raised when the lens is stopped down, and lowered instantly into viewing position after the exposure. **FOCAL PLANE SHUTTER** — Non-rotating dial with 1/1000, 1/500, 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, 1/2, 1 sec. and Bulb settings. The camera even operates at speeds between the settings on the

dial. All settings can be click-set either before or after shutter is cocked. Dial also has A.S.A. film speed index (20 click-settings from 10 to 800). **FLASH SYNCHRONIZATION** — Cordless flash-gun can be attached directly to the rewind crank and automatically connects with the flash circuit. Other flash units can be attached to single socket on side of camera or to accessory shoe that fits on rewind knob. Exclusive double-contact wiring prevents premature or accidental firing. **AUTOMATIC PEAK-COMPENSATION**

Shutter action automatically synchronizes with the type of flash illumination (M, F or FP bulbs, or electronic-X) when color-coded speeds are set. **FILM-ADVANCE SPEED LEVER** — Single, 180° stroke (or several short ones) transports film, advances exposure counter and cocks shutter. Double exposure prevention is built in. **DEPTH-OF-FIELD PREVIEW** — Permits viewing range of sharpness at preselected aperture merely with a push of the lever at side of the lens mount. **ADJUSTABLE SELF-TIMER** — Variable delay from 5 to 10 seconds. Can be bypassed even after it has been set. **SELF-RISING REWIND CRANK** — Fold-down crank unfolds for fast rewinding action, and rises by itself for convenience. Rewind button automatically pops up when film-advance lever is used. **AUTOMATIC EXPOSURE COUNTER** — Automatically returns to starting mark when camera back is opened. **HINGED, REMOVABLE BACK** — Makes loading convenient, designed to accept bulk film back (available later). Safety lock prevents accidental opening of back. **MERCURY BATTERY** — Meter is powered with long-life, tiny, 1.3-volt mercury battery. Off-on Switch in camera base prevents needless battery drain.