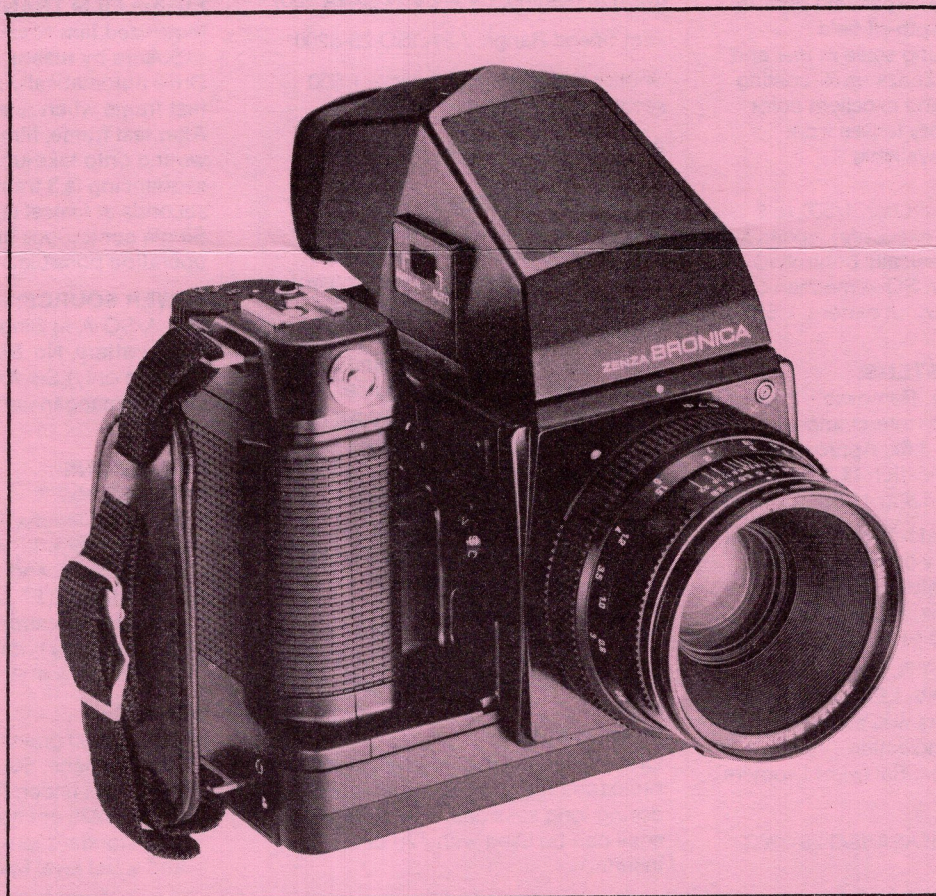


ZENZA BRONICA SQ-A

SQ-A/SQ-Am
TECHNICAL
DATA SHEET

1987-1988

SQ-Am



For photographers who prefer the proportions and versatility of the 6x6cm format, Bronica has used electronics to appreciably reduce the size and weight of the traditional 2¼" square single lens reflex.

Incorporating the latest design technology, both the Bronica SQ-A and SQ-Am systems offer the sophistication of microprocessor leaf shutter control for consistent exposure...auto ASA film indexing to either one of two TTL metered prism finders...True multi-format capability from 6x6cm to 6x4.5cm, 35mm format in both normal and wide back and of course Polaroid films...to the superb range of Zenzanon optics crafted to produce crisp, sharp images with excellent color transmission and consistency between lenses.

The Bronica SQ-Am boasts the additional standard versatility of an integral 1½ FRAME per second motor drive, instant MIRROR return, and ergonomically designed grip.

A single, comprehensive array of accessories, and Zenzanon optics from 40mm-500mm, as well as a 2x tele-converter support both systems.

Whether in the field or in the studio, the Bronica SQ-A and SQ-Am have all the features and reliability that the most demanding professional could want.

SQ-A and SQ-Am TECHNICAL DATA

CAMERA TYPE:

6x6cm (2 1/4x2 1/4") SLR with Electro-Mechanical control. SQ-Am offers built-in motor drive.

LENSES:

Standard - 80mm f2.8 Zenzanon-S or PS with exclusive four-claw Bronica Bayonet; Gold plated six terminal connector for electronic control of between-lens leaf shutter. Fully automatic instant reopening lens diaphragm action; equal-distant aperture scale markings, depth-of-field previewing. Focusing scale in feet and meters; exclusive Zenza multi-coating for reduced flare and excellent color rendition. Accessory lenses from 40mm to 500mm available.

SHUTTER:

Between the lens shutter, 1/500 to 8 sec., plus T, (time exposure); speed set by user and electronically controlled from camera body. SQ-A mechanical shutter control without battery, 1/500 sec. plus time.

VIEWFINDER SYSTEMS:

Waist Level Finder: Removable folding focusing hood with interchangeable viewing magnifier 3.6x. Approximate viewfinder magnification *1.15x. Range of Diopters from -4.5 to +1.5.

Prism Finder: Total reflection eye-level prism with laterally correct upright image. Approximate viewfinder magnification *.75x. Range of diopters available from -4.5 to +1.5.

ME Prism Finder: TTL manual exposure meter with LED display for proper exposure as well as over or under-exposure indication. Magnification *.75x. Range of Diopters from -4.5 to +1.5.

Film Speed Range: ASA/ISO 25-3200

MF FINDER:

Waist level finder with -3 to +2 variable diopter, and TTL metering found with ME Finder.

Shutter Speed Range: 8 sec. - 1/500 in. Self contained manual shutter control in 1/2 stop increments.

AE Prism Finder: Provides aperture priority TTL control with LED illuminated shutter speed. Magnification *.75x. Range of Diopters from -4.5 to +1.5.

Exposure Reading: TTL opens aperture with 2 silicon cells; full area average reading; EV 4-EV 17 (ASA 100)

Film Speed Range: ASA/ISO 25-3200

Shutter Speed Range: 8 sec. - 1/500 sec. (stepless on Auto)

Auto/Manual Switch as well as AE Lock Control.

FOCUSING SCREENS:

Interchangeable; standard split image screen surrounded by microprism collar. Six additional focusing screens available.

MIRROR:

Mirror can be pre-released and locked up for single or continuous use.

MULTIPLE EXPOSURE CAPABILITY:

Controlled with lever switch on camera body.

FLASH SYNCHRONIZATION:

Electronic flash synchronization possible at all speeds. Sync connector located on camera body.

BATTERY CHECK:

Red LED indicator lights within screen area when check button is depressed. Also doubles as shutter closing indicator.

FILM LOADING:

Drop-in film inserts. Inserts can be preloaded for quick camera reloading during long sessions. Same magazine shell can be used with 120 or 220 film inserts.

INTERCHANGEABLE BACKS:

Multi-format Capability
6x6cm (120 or 220)
6x4.5cm (120 or 220)
24x36mm (35mm)
24x54mm (35mm)
Polaroid 6x6cm
all film magazines offer auto ASA film indexing when ME or AE-II Prism utilized.

SQ-Am FILM TRANSPORT:

Motorized film advance after each exposure by means of integral motor. Drive automatically advances film to first frame when release depressed. After last frame, film is automatically wound onto take-up spool. Frame sequencing is 3 frames every 2 seconds at fastest shutter speed. Single continuous and remote operation possible.

POWER SOURCE:

(SQ-A/SQ-Am) Single 6 volt silver oxide battery, No. 544
(SQ-Am only) Six AA 1.5 volt (only) alkaline-manganese for motor drive operation.

DIMENSIONS:

3.6"Wx4.3"Hx7"L
(92mmx109mmx179mm)
SQ-A Body with standard lens,
SQ-120 back and waist level finder.
5.7"Wx4.9"Hx7"L
(144mmx125mmx179mm)
SQ-Am Body with standard lens,
SQ-120 back and waist level finder.

WEIGHT:

52.8 oz. (1500 grams) SQ-A Body with standard lens, SQ-120 back, and waist level finder. (Product No. 1080)
67.8 oz. (1925 grams) SQ-Am Body with standard lens, SQ-120 back and waist level finder.

*Camera equipped with standard 80mm lens.

ZENZANON-S & PS SERIES LENSES

Focal Length	Aperture Range	Angle of View	Min Focus Feet (Meters)	Elements/Groups	Length In (mm)	Max Diameter In (mm)	Weight Oz (Grams)	Filter Size	Equiv. 35mm Focal Length	Product Number
40mm f4.0	4-22	87°	1.3 (.4)	11-8	3.3 (83)	4 (102)	32.2 (660)	95mm	23	1201
50mm f3.5	3.5-22	76°	1.6 (.5)	10-8	2.4 (62)	3.2 (82)	19.7 (560)	67mm	28	1202
65mm PS f4.0	4-22	62.3°	2 (.6)	9-7	2.7 (69.6)	3.2 (82)	23.4 (665)	67mm	35	1263
80mm f2.8	2.8-22	51°	2.7 (.8)	6-4	2 (52)	3.2 (82)	16.5 (470)	67mm	45	1203
80mm PS f2.8	2.8-22	50.7°	2.7 (.8)	6-5	2 (52)	3.2 (82)	17.3 (490)	67mm	45	1264
105mm f3.5	3.5-22	41°	2.8 (.85)	6-4	2.3 (60)	3.2 (82)	19 (540)	67mm	58	1204
110mm PS Macro f4.0	4-32	40°	2.2 (.66)	6-4	3.1 (79)	3.3 (83)	24.1 (685)	67mm	60	1265
150mm f3.5	3.5-22	30°	5 (1.5)	5-5	2.4 (61)	3.2 (82)	20.8 (590)	67mm	80	1205
200mm f4.5	4.5-32	22°	8.3 (2.5)	5-5	3.8 (97)	3.2 (82)	26 (740)	67mm	105	1206
250mm f5.6	5.6-32	18°	10 (3)	5-5	5 (129)	3.2 (82)	30.6 (870)	67mm	135	1207
500mm f8.0	18-45	9°	28.3 (8.5)	7-6	10 (255)	4.0 (82)	66.5 (1890)	95mm	270	1208
500mm PS f8.0	8-64	9.2°	26.7 (8)	11-10	12/1 (307.5)	5.5 (139)	132.4 (3760)	122mm	270	1269
75-150mm f4.5	4.5-32	53.5° 30.1°	6 (1.8)	15-13	6.4 (163)	3.9 (100)	63.4 (1800)	9A	40-80	1270
140-280mm f5.6	5.6-32	30.7° 16.2°	8 (2.5)	7-14	9.1 (232)	3.5 (90)	70.4 (2000)	9A	75-150	1271

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* ALL PS LENSES FEATURE HALF CLICKSTOPS

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