

WELTA PERLE

1930



Serial nr.-
Lens Serial nr.-

Characteristics and functions

Welta was a German camera maker based in Freital near Dresden. It was founded by Walter Waurich and Theodor Weber in 1914 as Weeka-Kamera-Werk and became Welta-Kamera-Werk in 1919. It made a number of medium-priced folders before World War II, and its camera production was quite comparable to Balda and Certo. It also introduced two folding TLRs, the 6x6 Perfekta and the 6x9 Superfekta, which did not sell too well.

To take photographs, the Welta Perle must be brought into the working position by pressing the small button on the bottom of the camera, while simultaneously pulling the support foot - which in this case functions as a handle. This frees the flap which, when fully opened until it clicks, presents the camera already in the working position, automatically !

The diaphragm is adjusted by moving the lower slider along the curved rail where the working diaphragms are engraved and painted in white. To set the shutter speed you need to adjust the circular mount just above the lens, matching the desired speed with the black reference located on the top of the ring. The trigger is positioned on the right side of the shutter frame, while the lever (with red painted circle) is positioned on the opposite side to use the self-timer. In the immediate vicinity of the trigger is the threaded socket for using the flexible release. The rotatable, magnifying viewfinder is located on the left side of the shutter frame. Focusing is achieved by acting on the front slider which acts on the lengthening of the bellows by moving the sliding rail forward. To close the camera it is necessary that the focusing is brought back to infinity (to make the bellows sliding rail retract) and that the magnification viewfinder is positioned for vertical shooting.

The sports viewfinder for direct viewing of the shooting scene consists of two foldable frames positioned in the center of the upper part of the camera. To advance the introduced film you have to act on the folding knob located at the extreme right on the bottom of the camera. On the back, a porthole with red plastic allows the observation of the numbering of the shots taken. At the end of the film, bring the whole film onto the receiving spool, advancing it with the feed knob until it is completely covered with the protection paper. To close the camera, press into the recess of the chrome frames of the hinge of the spotlight, pushing the latter until it is completely closed (clak).

Technical Specifications

Shutter : leaf shutter with 2 blades "Pronto D.R.P. D.R.G.M."

Times: 1/100", 1/50", 1/25", B, T

diaphragms: f/6,5 – f/8 – f/11 – f/16 – f/22 – f/32

Lens: Welta-Freital – Weltar Anastigmat 1:6,3 F=10,5cm.

Focusing system: estimation with shooting distances with metric scale
from 1 meter to infinity

Viewfinder: sport type, exterior with closable metal frames

Film: type 620 / 120 (Images 6x9cm.)

Self-timer: yes, about 10 seconds

Colors: metal body, black with silver finishes and black leather

Accessories: threaded socket for flexible release. Foot for camera support during vertical shooting. Threaded connection for tripod / stand (2).

Optional accessories: leather case with strap for hand transport

Weight: 520g.

Overall dimensions: length 158mm, width 85mm, thickness 35mm (closed),
125mm (open).