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ROLL FILM CAMERAS
BACK WINDOW LOCATION
AND PICTURE SIZES

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ROLL FILM CAMERAS

BACK WINDOW LOCATION

AND PICTURE SIZES

1. SCOPE

This ISO Recommendation relates the location of back windows of roll film cameras to the number of exposures and film sizes they are designed to accommodate, and specifies the picture sizes produced.

2. BACK WINDOW LOCATION

The locating dimensions shown in the Figure are given in Table 1 on the following page.

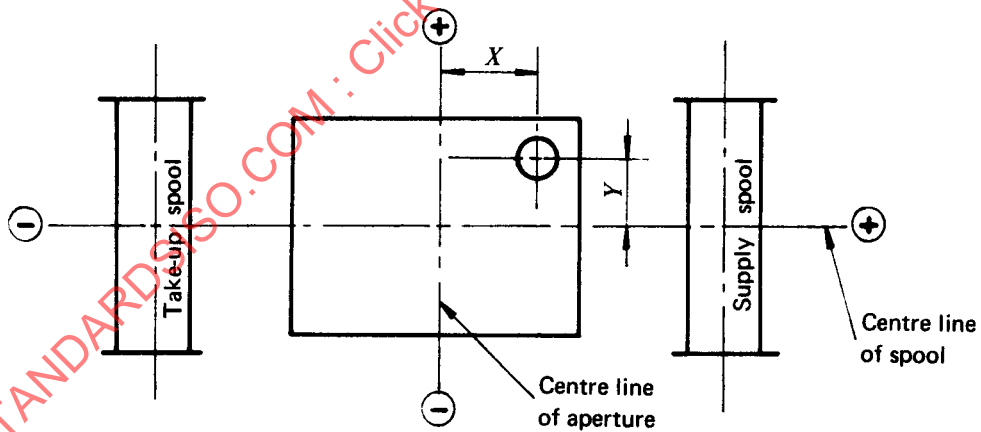


FIGURE — Location of back window

TABLE 1 – Locating dimensions for back window

Trade designation of nominal negative size		Exposures per roll Film size	X		Y	
cm	in		mm	in	mm	in
4 × 4	$1\frac{5}{8} \times 1\frac{5}{8}$	12 – 127	0	0	– 14.0	– 0.55
4 × 6.5	$1\frac{5}{8} \times 2\frac{1}{2}$	8 – 127	0	0	0	0
4.5 × 6	$1\frac{5}{8} \times 2\frac{1}{4}$	16 – 120 and 620	0	0	+ 18.0	+ 0.71
6 × 6	$2\frac{1}{4} \times 2\frac{1}{4}$	12 – 120 and 620	0	0	0	0
6 × 9	$2\frac{1}{4} \times 3\frac{1}{4}$	8 – 120 and 620	+ 35.5	+ 1.40	– 19.5	– 0.77

NOTES

1. The tolerances for dimensions X and Y are ± 1.6 mm (0.06 in).
2. The diameter of the back window is 9.0 mm (0.35 in) minimum.
3. Two back window openings are required for 127 film-size cameras intended for 3 cm × 4 cm format.

3. PICTURE SIZES

The picture sizes corresponding to the nominal roll film negative sizes are given in Table 2.

TABLE 2 – Roll film picture sizes

Trade designation of nominal negative size		Exposures per roll Film size	Picture size					
			width		length		corner radius (max.)	
cm	in		mm	in	mm	in	mm	in
4 × 4	1 $\frac{5}{8}$ × 1 $\frac{5}{8}$	12 – 127	41.3	1.625	41.3	1.625	0.4	0.016
4 × 6.5	1 $\frac{5}{8}$ × 2 $\frac{1}{2}$	8 – 127	41.3	1.625	63.5	2.500	0.4	0.016
4.5 × 6	1 $\frac{5}{8}$ × 2 $\frac{1}{4}$	16 – 120 and 620	41.5	1.634	57.0	2.244	0.4	0.016
6 × 6	2 $\frac{1}{4}$ × 2 $\frac{1}{4}$	12 – 120 and 620	57.0	2.244	57.0	2.244	0.8	0.031
6 × 9	2 $\frac{1}{4}$ × 3 $\frac{1}{4}$	8 – 120 and 620	57.0	2.244	82.6	3.250	0.8	0.031

NOTES

1. In the case of rectangular formats, the width is the shorter dimension.
2. The tolerance for 127 film sizes is ± 0.5 mm (0.020 in).
3. The tolerance for the 120 and 620 film sizes is ± 1.0 mm (0.040 in).