

# ISO 4090:2001-08 (E)

## Photography - Medical radiographic cassettes/screens/films and hard-copy imaging films - Dimensions and specifications

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1 Scope .....		1
2 Normative references .....		1
3 Terms and definitions .....		1
4 Conditions for measurement of dimensions .....		2
5 Radiographic cassettes .....		2
6 Mammography cassettes .....		8
7 Screens .....		13
8 Films .....		14
9 Package marking .....		16
Annex A (informative) Traditional sizes of medical films in rolls .....		18
Annex B (normative) Squareness .....		20
Annex C (informative) Test for light-tightness .....		21
Annex D (informative) Test for screen-film contact (Radiographic cassettes) .....		22
Annex E (normative) Test for screen-film contact (Mammography cassettes) .....		24
Annex F (informative) Metric conversion of inch nominal sizes .....		27
Annex G (informative) Dimensional stability of film .....		28
Annex H (informative) Quantity packaging .....		29
Annex I (informative) Sizes of inch origin -- Film dimension exceptions .....		30
Figures Figure 1 -- Cassette outside dimensions .....		6
Figure 2 -- Mammography cassette dimensions for field radiation detector .....		12
Figure 3 -- Corner rounding limits of film .....		14
Tables Table 1 -- Preferred radiographic cassette sizes of metric origin .....		3
Table 2 -- Preferred radiographic cassette sizes of inch origin .....		4
Table 3 -- Recognized radiographic cassette sizes of metric origin .....		4

<b>Table 4 -- Recognized radiographic cassette sizes of inch origin .....</b>	<b>5</b>
<b>Table 5 -- Preferred mammography cassette sizes .....</b>	<b>9</b>
<b>Table 6 -- Recognized mammography cassette sizes .....</b>	<b>9</b>
<b>Table 7 -- Cutting and tolerance rules for screen sizes of metric origin and new sizes .....</b>	<b>13</b>
<b>Table 8 -- Preferred hard-copy film sizes of metric origin .....</b>	<b>15</b>
<b>Table 9 -- Preferred hard-copy film sizes of inch origin .....</b>	<b>15</b>
<b>Table 10 -- Recognized hard-copy film size of metric origin .....</b>	<b>15</b>
<b>Table 11 -- Recognized hard-copy film sizes of inch origin .....</b>	<b>15</b>
<b>Table 12 -- Cutting and tolerance rules for film sizes of metric origin and new sizes .....</b>	<b>16</b>