



**Intelligent Comparitor
Coin Dimension Specifications**

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The Intelligent Comparitor (IC) programmable coin validator can accommodate a wide range of coin and token sizes used in the gaming industry and other coin-based industries. The IC is mechanically configured to any particular coin/token size as follows:

- 1. Nominal coin diameter and thickness are used for general description configuration.

.xxx" = dimension in inches (.xx) = dimension in millimeters

- 2. Minimum and maximum coin diameter tolerance for any coin is determined by:

Min = Nominal diameter - .010" (.25)

Max = Nominal diameter + .018" (.46)

- 3. Maximum and minimum coin thickness tolerance is:

Min = Nominal thickness - .005" (.13)

Max = Nominal thickness + .005" (.13)

The Intelligent Comparitor controls the coin path gap to keep coin flutter to a minimum in order to read a good optical "signature" from the optically encoded coin/token. There are presently seven preset coin gaps that can be configured into an IC. The coin path gap and recommended range of coin thicknesses per gap are shown in the table below. These are recommendations only and may be deviated from for special circumstances.

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|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Coin path gap | .072" (1.83) | .082" (2.08) | .095" (2.41) | .105" (2.67) | .120" (3.05) | .140" (3.55) | .160" (4.06) |
| Coin thickness | .056" (1.42) to | .066" (1.67) to | .075" (1.90) to | .086" (2.18) to | .096" (2.44) to | .111" (2.82) to | .131" (3.33) to |
| range | .065" (1.65) | .074" (1.88) | .085" (2.16) | .095" (2.41) | .110" (2.79) | .130" (3.30) | .150" (3.81) |