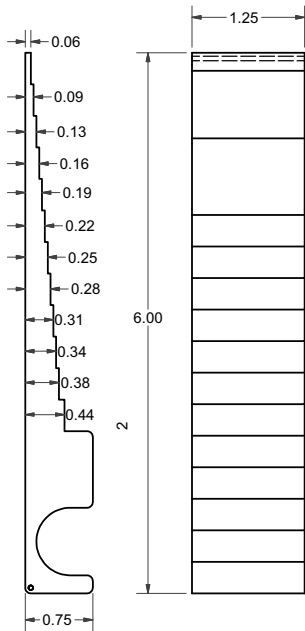
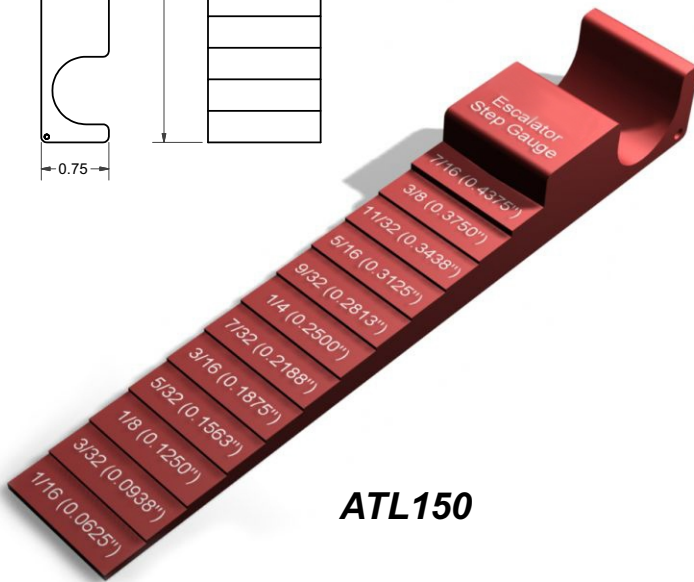
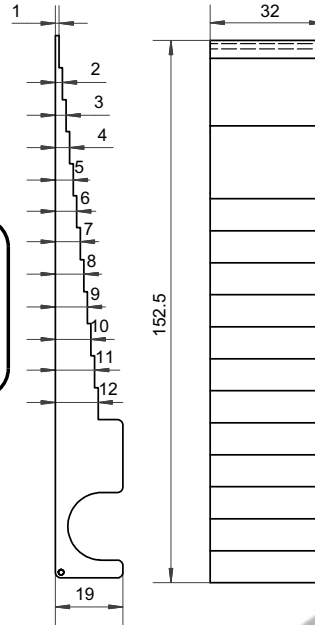


# ATL100/150 Escalator Step Gap Gauge - ENGINEERING DATA

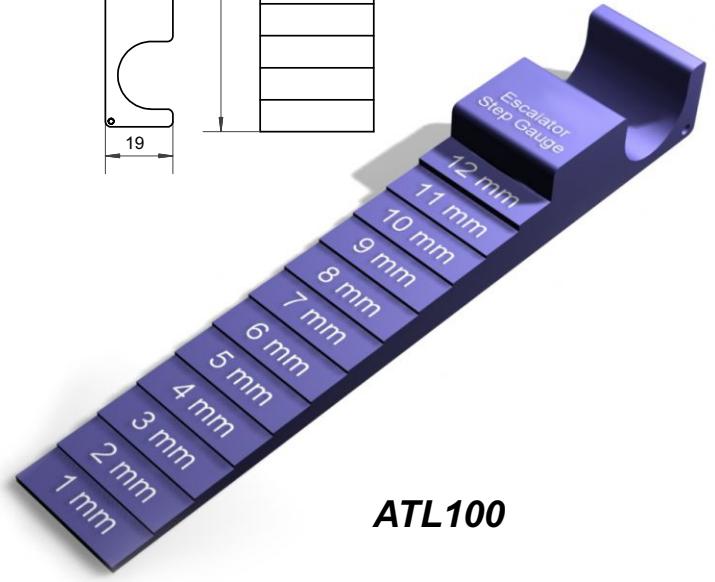


## A17.1-2000 Escalator Step Skirt Clearances

**6.1.3.3.5 Loaded Gap Between Skirt and Step.** The clearance (loaded Gap) between the step tread and the adjacent skirt panel shall be not more than 5mm (0.2 in.) when 110 N (25 lbf) is laterally applied from the step to the adjacent skirt panel. The applied load shall not deviate from 110 N (2.5lbf). The load shall be distributed over an area no less than 1 940 mm<sup>2</sup> (3 in.<sup>2</sup>) and no more than 3 870 mm<sup>2</sup> (6 in.<sup>2</sup>).



**ATL150**



**ATL100**

## 8.6.8.2 Step to Skirt Clearances

Clearances shall be maintained in compliance with applicable codes. Alternatively, the clearance on either side of the steps and between the steps and the adjacent skirt guard shall not exceed 4mm (0.16 in.) and the sum of the clearances on both sides shall not exceed 7mm (0.28 in.).

**NOTE:** The allowable clearances are applicable as follows: (a) ASME A17.1-1995 through A17.1d-1970; not more than 4.8mm (0.1875 in.) with a total of both sides not more than 6.4mm (0.25 in.), except where skirt obstruction devices are installed under the ASME A17.1-1965 through A17.1d-1970.

(b) ASME A17.1-1971 through A17.1-1979 editions: not more than 9.5mm (0.375 in.) on each side.

(c) ASME A17.1-1980 through A17.1-1998 and later editions and ASME A17.3: not more than 4.8mm (0.1875 in.) on each side.

(d) For equipment installed to the ASME A17.1-1999 or later codes, the clearance on either side of the steps and the adjacent skirt guard shall not exceed 4mm(0.16 in.) and the sum of the clearances on both sides shall not exceed 7mm (0.28 in.).

**NOTE** (on B44 Requirements): The allowable clearances are applicable as follows:

(a) B44-1960 through B44S3-1982 - not more than 4.8 mm (0.1875 in.) on each side. Sum of both sides not more than 6.4mm (0.25 in.).

(b) B44-1985 through B44S2-1998 - Not more than 5mm (0.197 in.) on each side. Sum of both sides not more than 6mm (0.236).

## Features:

- o Anodized aluminum coating to protect against corrosion and wear

- o Color coded for easy tool identification and use

- Red = Imperial step gap measurements.

- Blue = Metric step gap measurements.

- o Safe handle design will not entrap or catch fingers if there is accidental movement of escalator step.

- o Convenient, easy to carry size, capable of measuring twelve (12) different gap widths.

- o Imperial gauge (red) allows for full range of measurements: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8 and 7/16 inch.

- o Metric gauge (blue) allows for full range of measurements: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11 and 12 millimeter

- o Precision CNC machined and sized for accurate step to balustrade / skirt gap compliance.

- o Straightforward design and use: accurately measures the gap on each side of the step against the balustrade / skirt. Ensures that each side of the escalator step does not exceed allowable gap tolerance or combined gap tolerances of both sides.

This gauge provides an excellent means of ensuring compliance with local and national codes and criteria. If excess gaps are determined through the use of this gauge, contact the maintenance / service contractor and/or the escalator manufacturer for further analysis and determination of necessary repairs , if any, required. Do not rely solely on this gauge.

**Please Note:** Though every effort has been made to ensure accuracy and compliance, Adams Elevator Equipment Co., and/or Lustre Products Ltd. is not and cannot be held responsible in any way for the use or misuse of this tool or for any decisions rendered based solely on the determination of the tool and/or the actions of the user(s).