

Gage Dimensions

Gage length is an important consideration in strain gage selection, and is usually the first parameter to be defined.

Dimensions listed for gage length (as measured inside the grid endloops) and grid width refer to active grid dimensions. Overall length and width refer to the actual foil pattern, not including alignment marks or backing.

The matrix size represents the approximate dimensions of the backing/matrix of the gage as shipped. Matrix dimensions are nominal, with a usual tolerance of ± 0.015 in [± 0.4 mm]. If the gages are encapsulated, the matrix may be smaller by as much as 0.01 in [0.25 mm]. Most patterns also include trim marks, and, for use in a restricted area, the backing/matrix may be field-trimmed on all sides to within 0.01 in [0.25 mm] of the foil pattern without affecting gage performance.

