InSpec Multi-Part Exporting

Exporting multiple parts from InSpec for use in QC-CALC Real-Time
Index

- Introduction
- Examples
  - Incorrect setup
  - Correct setup
- How-to Instructions
Introduction

In the example used in the document, we are measuring four parts simultaneously and exporting the data to QC-CALC Real-Time.
Example of incorrect multi-part setup

The following image is an example program using four parts. Each of the four parts has four dimensioned features.

The resulting QC-CALC interpretation of this data is that there is only one part which has 16 features. (as opposed to four parts with four features)
Example of correct multi-part setup

By utilizing the Part Separator feature, we are telling InSpec (and therefore QC-CALC) that there are four parts in this program.

QC-CALC is now able to correctly identify that there are four parts with four features each.
Setting up InSpec for multiple parts – Step 1

• Create, tolerance, and set the export settings for your first part.

In this example, we will export the nominals, tolerances and labels for the selected dimensions.
Setting up InSpec for multiple parts – Step 2

• Translate the first part to create the required amount you will be measuring.
Setting up InSpec for multiple parts – Step 3

• Insert a Part Separator between each part in the Features list.

NOTE: In this example, we have only one feature per part. Your parts may require multiple features. In this situation, remember to place the separator between parts and not between individual features.
Setting up InSpec for multiple parts – Step 4

• Check the Playback Options settings to make sure they are correct.

Menu bar → Tools → Playback Options

Choose based on your preference/setup.
Use Run Separators must be checked.
Delimiters should be listed as shown here.