



ENTERPRISE SOLUTIONS

140 – Style Technical Pack

144 – Measurements – Size Specs

Process Manual

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1. PROCESS

1.1 Definition

This is a sub-process, part of the **Style Technical pack** process.

This process is where the target measurements are defined and set for the base size and calculated for each size in the size run.

1.2 List of tasks

- Manage up to 3-dimensional system of sizes
- Define Points of Measure from new or libraries
- Create and manage Grading Templates
- Create Measurement Charts per style
- Illustrate graphically how to measure

2. SIZES SPECIFICATIONS

Size specifications allow you :


- to create your size grids, simple or complex (that is including for instance different combined size systems).
- to define the base size.
- to define the list of measure points of your Style from standard measure points defined in library or by creating your own measure points.
- to define the grading for each size to be developed.

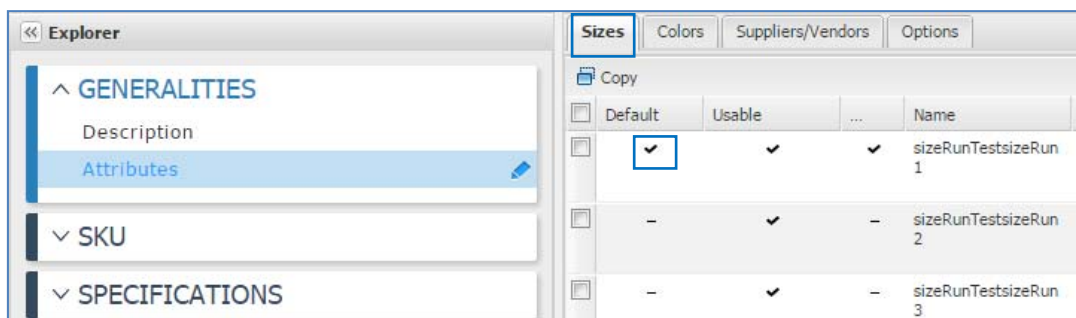
Measure points as well as the entire measure table may be illustrated graphically.

To do so, you need to create the size grids independantly from your Products Styles, and then, for each Style, create one or more size specifications instance(s) in which you define your measure points as well as the base size measure and grading.

Using **Grading Templates** allows simplifying the creation of these measurement tables.

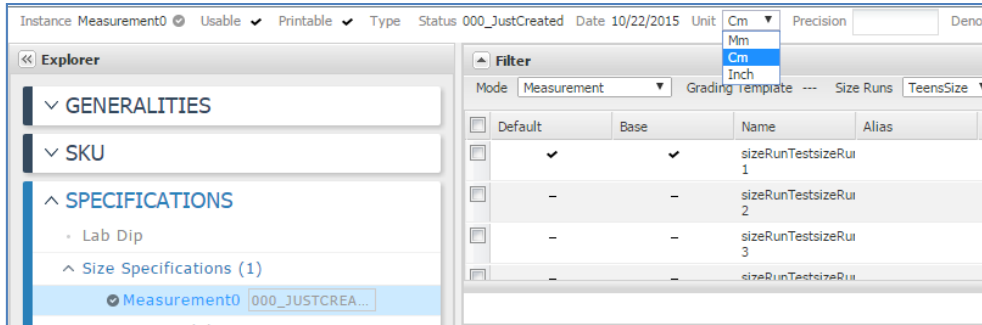
3. CHANGING THE BASE SIZE OF A STYLE

1. Click on the **Sizes** tab under the **Attributes** branch.
2. Then, click on the **Edit** button  at the top of the page.
The **Sizes** tab opens in edit mode.
3. Click on the radio button next to the new base size.
Make sure to check the **Default** box next to the base size as well.
4. Save the new **Base** and **Default** size; they must be the same.



4. VIEWING IN INCHES AND CENTIMETERS

With the **Size Specifications** instance open, choose the desired unit of measure (**Unit** field) from the dropdown list of the **Size Specifications** instance.





The measurements will display in the chosen unit. The correct number of decimal places for the reporting of the measurements should be chosen from the **Precision** field. Recommended values are 2 for measurements expressed in centimeters and 3 for those in inches.

5. ADDING AND REMOVING SIZES FROM A STYLE

Final Sizes are available to be added or removed from **Styles**. Sizes defined at the style level will define the sizes available in the **Size Specifications** and **Fitting** instances as well as the **BOM BOL Costs** and the **Sourced Cost**.

5.1 Adding a Size

1. From the **Sizes** tab on the **Attributes** branch of a **Style**, click on **Edit** .
2. Click on  **Pick**.
3. Use the **Search** fields to narrow down the search.

Check the box beside the **Size** or **Sizes** to add and click on  **Pick**.



4. Change the **Default** and **Base** size, if desired.
5. Save the changes.
6. After adding a new Size to the tab on the **Attributes** branch of the **Style**, the new Size or Sizes are now available on the instances under the **Size Specifications** branch.



Sizes may only be added as final sizes from a **Size Run**.

If individual sizes are added, the group must include the base size.

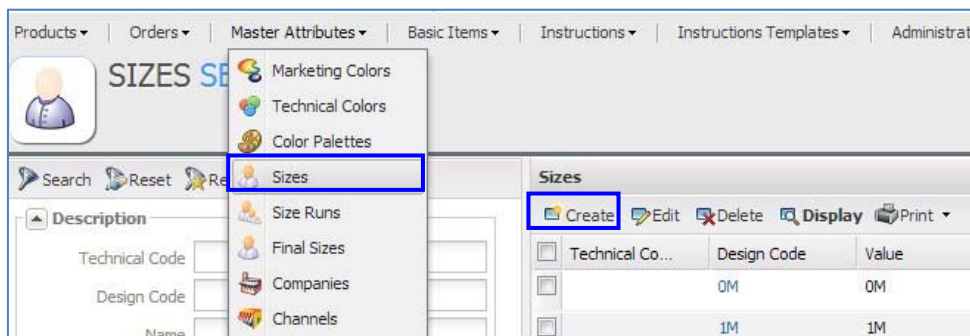
5.2 Removing Sizes

1. On the **Attributes** branch of a style, click on **Edit**  then on the **Sizes** tab.
2. Check the box beside the Size(s) to delete and click on  **Delete**.
The selected sizes are removed
3. Save the changes.

6. CREATING SIZES

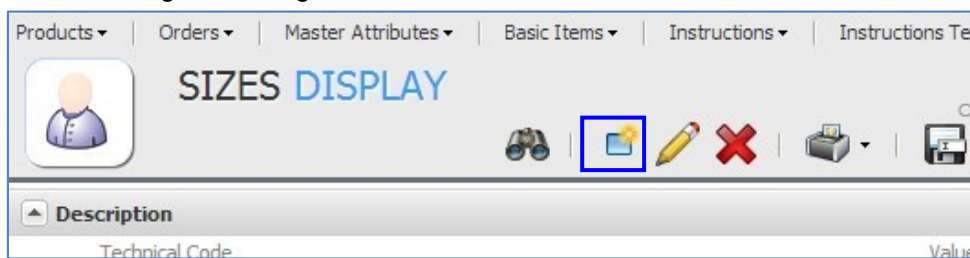
In order to create any measurements or costs on a product in Fashion PLM, it must have at least one **Final Size**. The first step to creating **Final Sizes** is creating a single size record. The single sizes are added to size runs to create final sizes available for use on a Grading Template. This Grading Template can then be added to a Style.

1. From the **Sizes Search** Window (in **Master Attributes** menu, select **Sizes**), click on  **Create**.



OR

While viewing an existing **Size**, click on  **Create**.



2. Fill in a **Technical code** and/or a **Design code** and the other fields such as **Group** and **Category**, which will make searching for styles much easier later on.
3. Save the new **Size**.

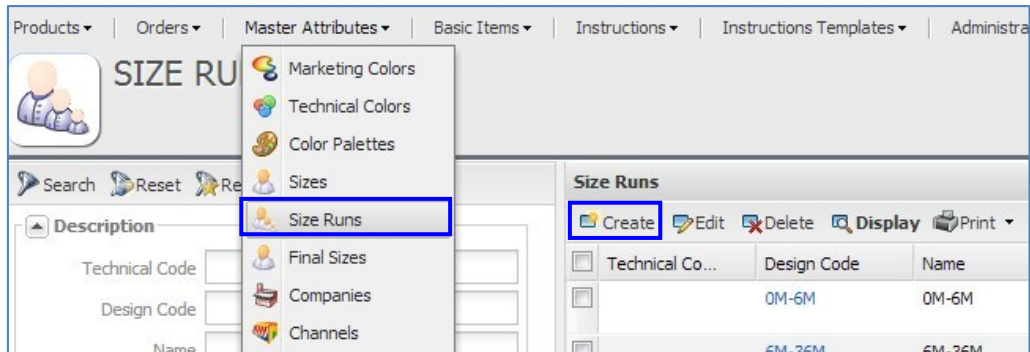


Once your sizes are created, you can generate your Final sizes by adding them to your Size Run.
(See [Creating a Size Run](#))

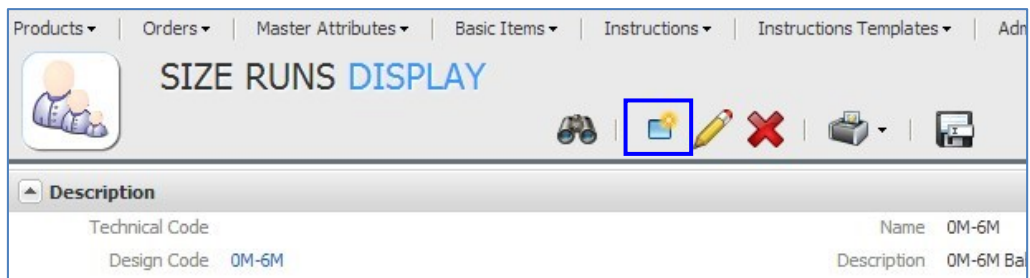
7. CREATING A SIZE RUN

From the **Size Runs Search Window** (in **Master Attributes** menu, select **Size Runs**):


- click on  **Create**.





or while viewing an existing **Size Run**, click on  **Create**.



7.1 Adding Sizes


- In the window that opens, fill in the information fields in the top **Description** section of the page.
- Click on  **Pick** in the **Sizes** section to add individual **Sizes** to the new **Size Run**.
- Use the **Search** window to narrow down search results.
Click on the **Search** button to return results.

Check the box beside the **Size(s)** to add to the **Size Run** and click on  **Pick**.

 All checked sizes will be added to the **Selection** tab, viewable at the bottom of the **Search** side of the window.
Click on the **Selection** tab to review the chosen sizes.
To remove an item from the **Selection**, check the box beside it and click on the **Remove from selection** button.

The chosen **Sizes** are added to the **Size Run**.

To change the order that the sizes will appear in, check the box beside a size to move it.

Click the up or down arrow buttons , accordingly, until they are in the desired order in the list.

- Select the **Base** size by clicking on the radio button beside the size.
- Repeat the same steps to add dimensional sizes in the **Options 1** and **Options 2** sections, if needed in the **Size Run**

6. Check the boxes beside the **Sizes** and click on the **Generate** button in the **Final Sizes** section at the bottom of the page.
If the **Options** sections are used, check the boxes beside the **Sizes** in each section to combine with those in the **Sizes** section.
The generated **Final Sizes** are now available to be used on a **Style**.
7. Save the new **Size Run**.



Size Runs that are used in a **Grading Template** may not be modified.


7.2 Adding Options

Options can be added to combine single **Sizes** into combined **Final Sizes**.

1. Add **Sizes** to one or both of the **Options** sections (**Option 1** and **Option 2**).
2. Check the boxes beside the sizes to combine into **Final Sizes** in all sections.





If editing a **Size Run** and **Final Sizes** have been previously generated, they must be deleted in order to generate new ones.

3. Click on  **Generate** in the **Final Sizes** section to create the combination **Final Sizes**.
4. Save the **Size Run** and **Final Sizes**.

8. ADDING A SIZE SPECIFICATION TO A STYLE

To add a BOM BOL Costs instance:

1. Click on the plus sign  beside the **Size Specifications** branch.
OR
Click on the  sign beside the **Size Specifications** branch and then click on the **Create Instance** link when the page refreshes.
2. A new **Size Specifications** record opens in the window.
3. Fill in or choose the desired information in the fields.




Some fields are text fields to type in and others have dropdown menus indicated by the small arrow at the far right side of the field. The size range(s) will appear in the dropdown menu. They are linked from the **Attributes** branch of the product.

8.1 Adding a Grading Template




1. Edit the **Size Specifications** instance then click on  in the **Point of Measure** section.

2. Use the search fields to narrow down the search results.

Check the box beside the **Grading Template** to add and click on  **Pick**.
The **Points of Measure** and **Grades** in the Template are added to the **Size Specification** instance.

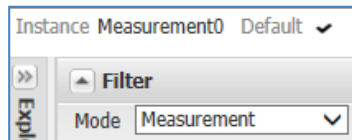


See the [Add Measurements](#) section below to add base size measurements.

Details	Image	Technical Code	Design Code	Description	Min. Tol.	Max. Tol.	Position	Order	Associated Comments	2	3	(*) 4	
										Measur...	Measur...	Measur...	
<input type="checkbox"/>			AB100	Across Upper Back at half armhole height	0.5	0.5		1			1	2	0
<input type="checkbox"/>			AC100	Across Upper Chest at one third armhole height	0.5	0.5		1					
<input type="checkbox"/>			AF100WT	Forearm Width up from Sleeve Opening	0.5	0.5		1					

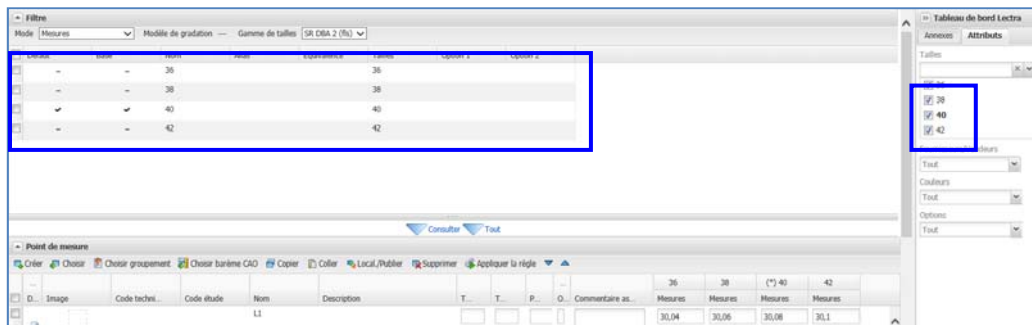
8.2 Adding Measurements

1. Edit the **Size Specifications** instance and make sure the instance is in **Measurement Mode**.



2. **To apply a filter to select the required sizes:**

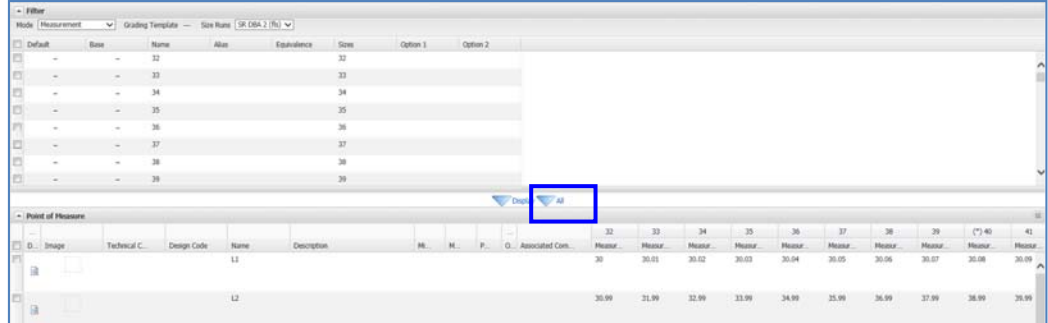
The sizes can be filtered according to user requirements by selecting them in the **LectraBoard Attributes**.



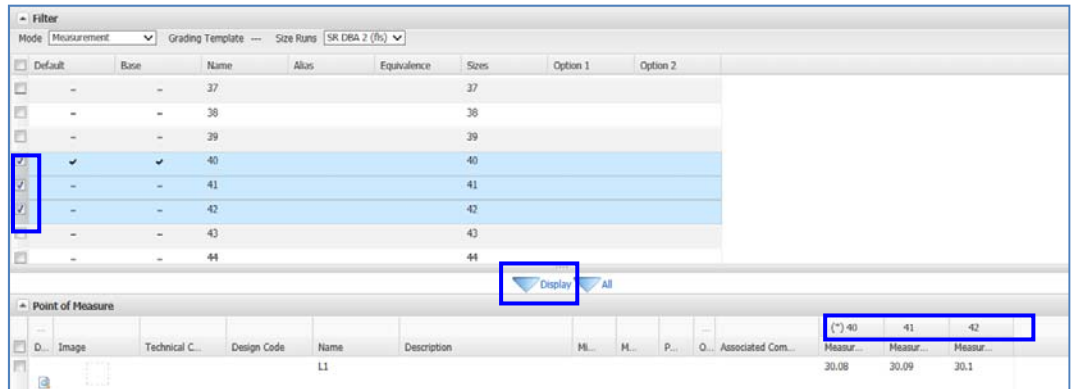
Taille	Mesure	Expérience	Taille	Option 1	Option 2
36	36		36		
38	38		38		
40	40		40		
42	42		42		

3. To add:


- o all the sizes for the **Style** in the **Points of Measure** area below, click on the  button.




- o a combination of the selected sizes for the **Style** in the **Points of Measure** area below, check the boxes beside the **Size(s)** to display and click on the Breakdown **Display** button.




4. Fill in the **Sample Size** measurements.

 The Sample Size is defined by the (*) next to the size name in the column and in the middle section (i.e. : L (*) XS-XXL), it is checked as the base size. The other sizes should grade according to the grade rules in the associated grading template.

5. Save the **Size Specification** instance with the **Style**.

Delete 		
M XS-XXL	L (*) XS-XXL	XL XS-XXL
Measurement	Measurement	Measurement
30	31	33
15 1/2	16 1/4	17 3/4


8.3 Adding Single Points of Measure

1. While editing, from the **Point of Measure** area of the instance, click on  **Pick**.
2. Use the search fields to narrow down the results.


Check the box(es) beside the **Points of Measure** (POM) to add and click on  **Pick**.

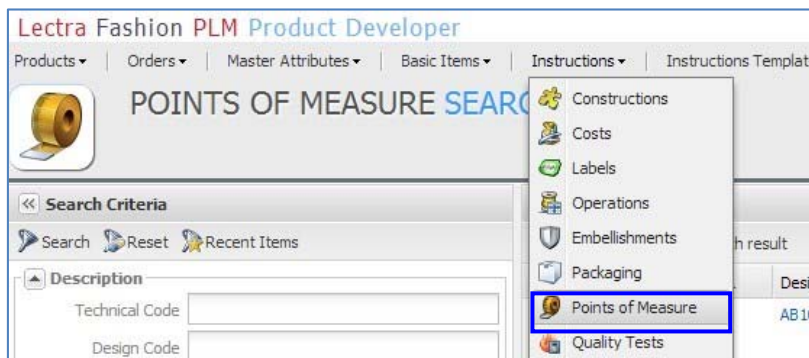
3. The **Point(s) of Measure** is added to the bottom of the list.
Scroll over and enter the measurements for each size that will use the newly added Point of Measure, and the tolerance if needed.

8.3.1 Reordering Points of Measure

1. To reorder one or more points of measure the instance must be in **Edit** mode.
2. Check the box(es) beside the **Point(s) of Measure** and click on the up or down arrows  to move it or them accordingly.

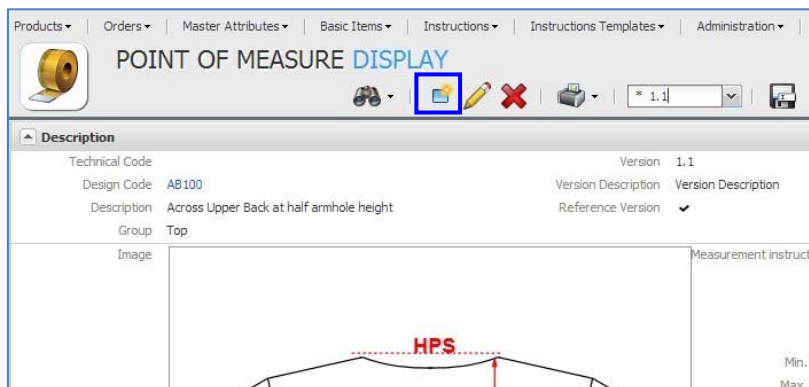
9. CREATING A NEW POINT OF MEASURE

1. From the **Point of Measure Search** window (in **Instructions** menu, select **Points of Measure**), click on  **Create**.



OR

- While viewing an Existing **Point of Measure**, click on  **Create**.



2. Fill in the **Technical** and **Design** codes.
Type in a **Description** of the **Point of Measure** and choose a **Group** from the dropdown


3. Enter the **Unit** of Measure, How to Measure instructions and How to Measure Image for the Point of Measure. Tolerance (**Min. Tol.** and **Max. Tol.**) can be entered, but can also be entered at the Grading Template level.
4. The **Order** field indicates the order that the Point will show up in on the list.

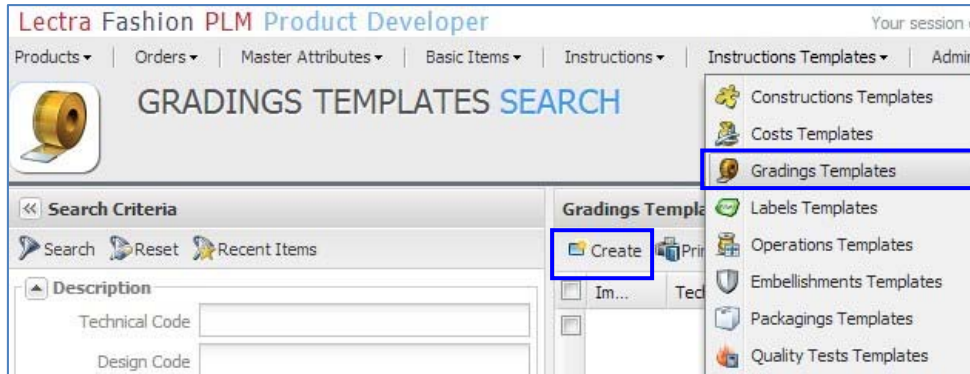


See the Image Management section of the **Common Features** User Guide for more information on importing an image.

5. Save the **Point of Measure**.
6. When saved, the new **Point of Measure** is displayed.

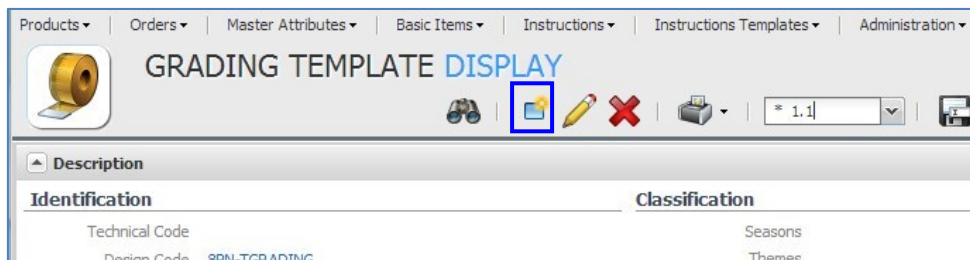
10. CREATING A NEW GRADING TEMPLATE

1. From the **Gradings Templates Search Window** (in **Instructions Templates** menu, select **Gradings Templates**), click on  **Create**.





OR

- While viewing an Existing **Grading Template**, click on  **Create**.





2. Fill in the information in the **Description** section.


10.1 Adding Size Runs


1. Scroll down and click on the  icon in the **Size Runs** field to select a **Size Run** to connect to the **Grading Template**.
2. Use the **Search** fields to narrow down the search results if necessary.
3. Check the box beside the **Size Runs** to connect to the **Grading Template** and click on  **Pick**.
4. The **Size Run** is added to the Template.
Change the dropdown menus in the **Specifications** section to the desired values.

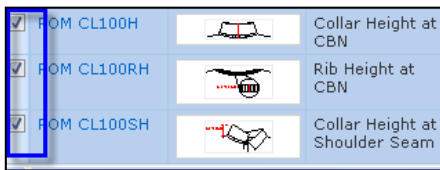
10.2 Adding Points of Measure

1. Click on  **Pick** to open the **Points of Measure Search** window.
2. Use the **Search** fields to narrow down the search results.

3. Check the box(es) beside the **Points of Measure** to add and click on  **Pick**.
4. Add in the **Tolerances** and Grading per Point of Measure.

 The Grading **Mode** (**Incremental Grading** or **Absolute Grading**) is in a dropdown above.

5. To apply a grade across the sizes in the point of measure, fill in the grade in the **Size** column to the left right of the sample size.
6. Check the box beside the row and click on .



7. Save the **Points of measure** with their grades and tolerances for the **Grading Template**.



10.3 Import dynamic measurement charts from Pattern Developer or PGS

You can initialize the measurement charts defined in the **Product Developer** with those of CAD. When the sizes defined for a product in **Product Developer** also exist in a model, it is possible to recover the measurement points and measurement values.

To import measurement charts from **Pattern Developer** or **Modaris PGS**:

1. In **Size Specifications**, select an existing instance or create a new one.
2. Enter the **Edit** mode.
3. Enter the **Measurement** mode.
4. **Pick CAD M.Chart** > Select **Data Type (Pattern Developer or Modaris PGS)** > Select a measurement chart among those proposed.

 You can narrow your search by specifying the **File Name** and / or the **Access Path** of the desired model.

1. On the right of the window, the measurement charts defined for each model and / or each variant are displayed in the **Measurement Charts** part.
2. Double-click the model or the variant you want to recover the chart (or use the **Pick** button).
3. For each size defined for this product in Product Developer AND indicated in Pattern Developer or Modaris PGS, all the measurement points and their values are imported in Product Developer. Measuring points imported from the CAD measurement chart are created as local measure points and bear the name defined in CAD.



This is data that is imported locally: if this information is changed in Pattern Developer or Modaris PGS, they will not be updated in Product Developer. To reflect the changes made in a chart in Modaris PGS or Pattern Developer, you need to re-import (Select **Pick CAD M.Chart**).



When a measuring chart is imported into a size specification instance that already contains measurement points and values, those that exist in the imported measurement chart are updated, while others are kept.



Measuring points, may they be local or public, can have a name.