HEXAGON
PPM

Intergraph Smart Reference Data

Module-2: Create an ident

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Intergraph Corporation
305 Intergraph Way
Madison, AL 35758

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Contents

SECTION 1

Lab 2 - Create idents

Objective

In this lesson, you will learn how to create an ident in Smart Reference Data Plus.

You will learn how to:

1. Create a commodity code geometric table
2. Add geometric details
3. Generate and build idents

Lab Overview

This tutorial explains how to create a commodity code ident and how to generate the created ident.

Scenario

As a Smart Reference Data Plus user, you want to create five idents using the geometric **P_PSVBW_DSTD** and object parameter **P_1N_E.**

Prerequisites

For this session, you must know how to log on to the software with the appropriate access rights from your administrator. You also need to have a consolidated knowledge about Smart Materials and Smart Reference Data basic functionality, which means you should be familiar with general screen handling in the software.

You must also be familiar with the process of creating a commodity code and/or have an existing commodity code.

Exercises

Commodity geometric relations

All necessary dimensions of a component are stored in geometric tables. These tables are defined and maintained on different screens, depending on the purpose of the table.Only geometrics that are linked with the commodity code can be used to provide a basis for building idents.

Task 1: Create a commodity code geometric table

1. Click **SRD** > **Component Manager** > **Geometric Management**.
2. Select **Geom Types/Geom Names** from the list.
3. Right-click **Commodity Geometrics**, and select **Open Property view**.
4. In the **Properties** window, type **P_PSVBW_DSTD** in the **Geometric** box.
5. Select **PS1N_10** from the **TableName** LOV and **JS** from the **Standard Code** LOV.
6. Click **Save**  , and close the dialog box.

Task 2: Add Geometric details

1. Click **SRD** > **Component Manager** > **Geometric Management**.
2. Select **Geom Types/Geom Names** from the list.
3. Locate and double-click **P_PSVBW_DSTD**. For more information, see *Filter and locate P_PSVBW_DSTD* (on page 8) .
4. Click **Edit grid**  .
5. Click **Add Row**  and select the following values from the respective lists:

Npd(1)	FacetoCenter	DryWeight	Ctrl
25	65mm	3.81kg	1
32	80mm	6.13kg	1
40	85mm	7.93kg	1
50	95mm	11.8kg	1
65	110mm	19.0kg	1

6. Click **Save grid**  .
7. Click **Read-only grid**  to set the grid back to read-only mode.

Object parameter

The object parameter is a link between commodity codes and geometric tables. The geometric tables hold all the dimensions that are needed to create the size-dependent description of a component.

The object parameter is a grouping and arrangement of geometric attributes. The purpose of the object parameter is to achieve a common depth of description of objects. Object parameters must be defined so that they cover a meaningful number of similar objects (for example, pipes, bends B2, B3, B5, screws, and so forth).

_1Task 3: Review the attributes of object parameter

1. Click **SRD** > **Component Manager** > **Commodity/Ident Management**.
2. In the list at the top of the tree view, select **Object Parameters/Object Parameter Details**.
3. Find and note **P_1N_E** object parameter.

   NOTE The object parameter you have selected in step 3 must be same as the object parameter you want to assign to the commodity code.
4. Double-click **P_1N_E Plate Range.**

   IMPORTANT Make sure that the attributes assigned to the object parameter **P_1N_E** and the geometric **P_PSVBW_DSTD** must be same.

Task 4: Generate and build idents

Assign code with object

1. Click **SRD** > **Component Manager** > **Commodity/Ident Management**.
2. Select the **Commodity Group/Part/Commodity Code/Ident** from the drop-down list at the top of the tree view.
3. Locate the part to which a commodity code is already generated. For more information, see Module-1 : Create Commodity Code.
4. Expand the selected part and double-click the commodity code.
5. Click **Assign code with object.**
6. Click **Browse**  and select the object parameter **P_1N_E** from the LOV.

Assign code with geometric

1. Click **Assign code with geometric**.
2. Click **Browse**  and select **P_PSVBW_DSTD**.
3. Click **Save**  .

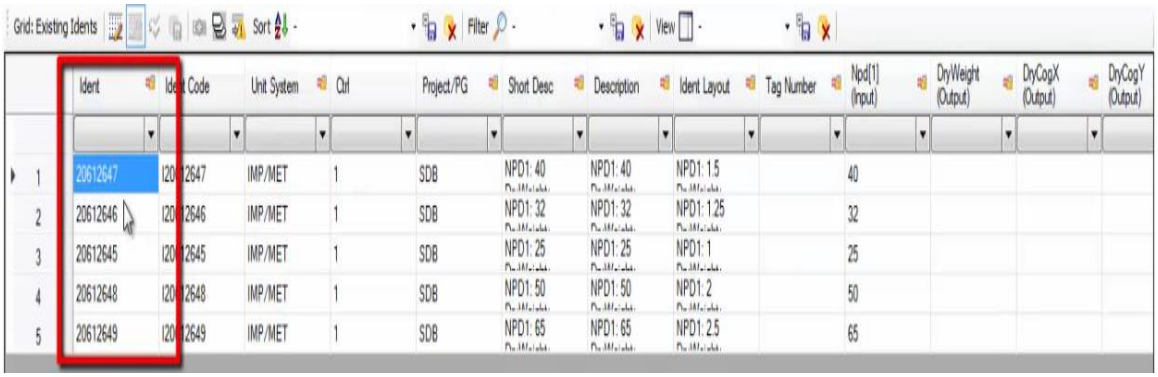
View and build selected idents

1. Click **Show idents to build** to view the size ranges for which the idents are created.

TIP Look for the size ranges in **Npd(1) (Input)** grid.

2. Click **Build selected idents.**

   You can see the idents generated in the existing **Idents** grid as show in the figure below:



Summary

In this module, you learned how to:

1. Create a commodity code geometric table
2. Add geometric details
3. Generate and build ident

Answer key for the high-level steps

Filter and locate P_PSVBW_DSTD

1. Right-click the geometric type **Commodity Geometrics.**
2. Click **Filter.**
3. Type **P_PSVBW_DSTD** in the Geometric Name.
4. Click **Ok**.