Product Assembly

Purpose

Introduce Product Assembly.

Overview

Product Assembly has a fixed hierarchical structure that contains the subordinate parts that are required to build a material. A product assembly represents non-configurable product structures and consists of:

1. **Assembly Group** - Contains one or more similar assemblies. Each assembly is represented by an Assembly Header.
2. **Assembly Header** - Represents the non-configurable material in an assembly. Each header is made of Assembly items.
3. **Assembly Item** - Represents the components of a non-configurable material of an assembly and is always assigned to an Assembly Header.

Highlights

- Product assemblies represent non-configurable product structures. With the clear separation of configurable and non-configurable products, a continuous and flexible modeling is given with a better possibility of reusing assembly structures for different products.

- Assemblies also represent single-level BOM structures. Although, it is possible to create multilevel structures you have to be aware that these structures can be built one level at a time.

- Assembly structures often change throughout engineering phases. So a modeling is possible at an early phase of product life-cycle without having to maintain material masters. These can be linked to assembly items in final stages.

- You can also simulate a product assembly with parameter values, but you cannot display configuration data. Note that no object dependencies are available for assemblies.

- Moreover, you can create product assemblies as simple or variant assemblies and use them as phantoms, too. Multiple assemblies with assembly alternatives are not supported.

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