

Modeling structure with Blocks

This section describes how to work in two types of diagrams that are dedicated to model a structure of systems: [SysML Block Definition Diagram](#) (BDD) and [SysML Internal Block Diagram](#) (IBD). The elements in the BDD are **elements of definition** while the elements in the IBD are **elements of usage**. Elements of definition describe the unique instances and can be reused in multiple context to share this definition. E.g. the [Block](#) is a definition and is used as type in IBD. The IBD displays usages of [Blocks](#) that is the [Part Properties](#) and [Reference Properties](#) of the Block. In other words, Part Properties are the usages of the Block in the context of composing Block.

Read the following topics to learn how to model your structure:



Unknown macro: 'list-children'