

How to Create a Multi-Level Bill of Materials

The Bill of Materials (BOM) for an assembly is a list of the components (raw materials) needed to build quantity 1 of the assembly. This BOM can then be used to automate the downcounting of all child components needed to build any quantity of the parent assembly.

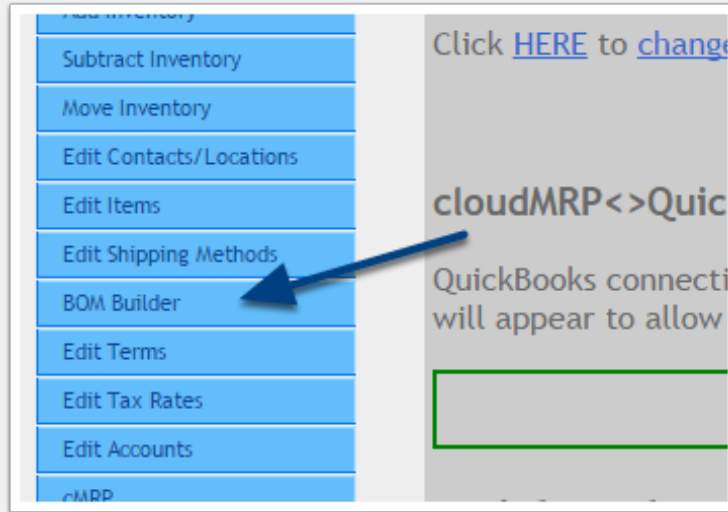
Assemblies can be made from sub-assemblies. The process of creating the BOM for the parent assembly is 1 level at a time. First the children of the parent assembly (and their quantities) are listed. If any of the children are also assemblies, then that BOM is created the same way (1 level at a time).

When exploded, the BOM lists all children at a level, and then explodes any of those children that have BOMs.

In this tutorial, we will build a BOM for a Golf Driver....

Open BOM Builder

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Create the Parent Child Relationships for Parent Assembly

BoM Builder

AssemblyItemID: 1

Name:

Child ItemID:	Item Name:	QtyInParent:	
<input type="text" value="Grip12"/>	Moe Norman Grip	1	<input type="button" value="Delete Line"/>
<input type="text" value="Tweedledum Graphite Sha"/>	Tweedledee2	2	<input type="button" value="Delete Line"/>
<input type="text" value="Driver Head Assembly"/>	Driver Head Assembly	1	<input type="button" value="Delete Line"/>

[Preview/Print Multi-level BOM](#)

How to Create a Multi-Level Bill of Materials

Create sub-assembly BOM

BoM Builder

AssemblyItemID:
Name:

Child ItemID:	Item Name:	QtyInParent:	
<input type="text" value="Head"/> <input type="button" value="v"/>	<input type="text" value="Slice Not"/>	<input type="text" value="1"/>	<input type="button" value="Delete Line"/>
<input type="text" value="Adjustment Wrench"/> <input type="button" value="v"/>	<input type="text" value="Big Bertha Wrench"/>	<input type="text" value="1"/>	<input type="button" value="Delete Line"/>

[Preview/Print Multi-level BOM](#)


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Print Multi-Level BOM

BoM Builder

AssemblyItemID:
Name:

Child ItemID:	Item Name:	QtyInParent:	
<input type="text" value="Grip12"/> <input type="button" value="v"/>	Moe Norman Grip	1	<input type="button" value="Delete Line"/>
<input type="text" value="Tweedledum Graphite Sha"/> <input type="button" value="v"/>	Tweedledee2	2	<input type="button" value="Delete Line"/>
<input type="text" value="Driver Head Assembly"/> <input type="button" value="v"/>	Driver Head Assembly	1	<input type="button" value="Delete Line"/>

[Preview/Print Multi-level BOM](#) 

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Bill of Materials

Level	ItemID	Description	Quantity	StandardUnitCost	Amount
0	Driver815	Big Bertha Driver model 815	1	\$0.00	\$0.00
1	Driver Head Assembly	Driver Head Assembly	1	\$0.00	\$0.00
2	Adjustment Wrench	Big Bertha Wrench	1	\$0.00	\$0.00
2	Head	Slice Not	1	\$200.00	\$200.00
1	Grip12	Moe Norman Grip	1	\$1.00	\$1.00
1	Tweddledum Graphite Shaft	Tweddledee2	2	\$50.00	\$100.00

Total: \$301.00