

Bill of Materials

Mascidon has extended the bill of material (BOM) within SAP to provide more functionality. In order to determine where components are used, a Where Used lookup has been added to the item master. This shows an indented view of the component, its parents, and the parents of the parent items – back to the finished products using this component. A ‘where used’ capability is an important function within manufacturing. For instance, if a specific type of steel coil is used to produce parts and a defect is found in the material, the where used reporting can provide a snapshot of all possible products that could have problems.

The indented BOM functionality within SAP has been extended. The current report is hard coded to show the BOM and basic information. If the user wants more item information on the BOM report, Mascidon’s extension has provided the means to review an indented BOM with as much item master data as desired. The standard implementation has several new fields. Its underlying query can be modified to show additional item fields.



BOM Button – Query Code that can be Modified to Extend the Item Information Available

The BOM can also be displayed in ‘Summary’ form. This shows the list of components. This is useful for producing a parts list – i.e. swing set for your kids – 10 screws size 1, 16 screws size 2, etc.

An ‘Availability’ button on the sales screen provides an indented BOM review of the requirements for items on the sales order – showing shortages of items and potential delays in delivery.

Features:

- Where used reporting by item – extendable using SQL query for more information fields
- Where used by document – for checking out orders, PO's, PDOs, etc to see if an item is in process
- Indented BOM by item – extendable using SQL query for more information fields
- Parts list BOM explosion showing summary items in BOM (also extendable via SQL)
- Order availability reporting for full BOM
- Availability based on Forecasted items for full BOM
- Available as integrated with Boyum, or as queries

Order availability - Boyum

#	Item	BOM Depth	Item name	Qty reqd for 1	Qty reqd for FG qty	On hand - Wks	Qty Needed	On Hold	Phantom Item	Parent
1	471610	1	P/N CV200471610 Inner Metal, Rev K	1.000	200.00	37	163.000	N	N	471610
2	*471610-58	2	P/N CV200471610 Inner Metal, Rev K- op 58	1.000	200.00	3	160.000	N	N	471610
3	**471610-43	3	P/N CV200471610 Inner Metal, Rev K- op 43	1.000	200.00	178	0.000	N	N	471610-58
4	***471610-36	4	P/N CV200471610 Inner Metal, Rev K- op 36	1.000	200.00	964	0.000	N	N	471610-43
5	****SRI 31-14	5	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	0.350	70.00	23057	0.000	N	N	471610-36
6	*C8	2	Clevite Box	0.001	0.20	49	0.000	N	N	471610

Order Availability – Shows Potential Shortages at Order Time

BOM Where Used Button

#	Component	Component name	Item	Item Name	Indented level	Higher level item	Higher level item name	Quantity required
1	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	1	*471610-36	P/N CV200471610 Inner Metal, Rev K- op 36	0.350
2	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	1	*491610-36	P/N CV200491610 Inner Metal, Rev K- op 36	0.350
3	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	471610-36	P/N CV200471610 Inner Metal, Rev K- op 36	2	**471610-43	P/N CV200471610 Inner Metal, Rev K- op 43	0.350
4	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	491610-36	P/N CV200491610 Inner Metal, Rev K- op 36	2	**491610-43	P/N CV200491610 Inner Metal, Rev K- op 43	0.350
5	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	471610-43	P/N CV200471610 Inner Metal, Rev K- op 43	3	***471610-58	P/N CV200471610 Inner Metal, Rev K- op 58	0.350
6	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	491610-43	P/N CV200491610 Inner Metal, Rev K- op 43	3	***491610-58	P/N CV200491610 Inner Metal, Rev K- op 58	0.350
7	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	471610-58	P/N CV200471610 Inner Metal, Rev K- op 58	4	****471610	P/N CV200471610 Inner Metal, Rev K	0.350
8	SRI 31-14	Steel rod - 1.31 - 1.32 OD, Grade 1215, 14 feet	491610-58	P/N CV200491610 Inner Metal, Rev K- op 58	4	****491610	P/N CV200491610 Inner Metal, Rev K	0.350

Where Used Report – Multi Level