

Take charge of your business with PULSE Dashboard & Analytics Software

Single & Multi-Level Bill of Material Enhancement

We offer two bill of materials (BOM) reporting options in our PULSE Dashboard & Analytics software:

- The Single-Level BOM report is a standard report that comes with the software. This report can easily be converted to a Single-Level Where-Used report.
- The Multi-Level BOM report was developed for customers needing a custom report that can be adjusted to meet a wide variety of needs.

Single-Level Bill of Material Report

Parent Description	Comp Item #	Component Description	Seq #	Qty Per Par
Parent Item #: BCABASSY				
Brake and Cable Assem...	BCALIPER	Brake Caliper, Titanium	10	1
Brake and Cable Assem...	BPADS	Brake Pads, Extra Dual Pivot	20	2
Brake and Cable Assem...	CABLEHOUSE	Cable Housing, Derailleur	30	1
Brake and Cable Assem...	BCABLE	Cable for Brakes 1	40	1
Brake and Cable Assem...	DRFRONT	Derailleurs, Front Clamp On	50	2
Brake and Cable Assem...	DRREAR	Derailleurs, Rear Clamp On	60	2
Brake and Cable Assem...	LEVER	Levers, Light Allow, Double	70	2
Brake and Cable Assem...	BOLT	BOLT	80	1
Brake and Cable Assem...	BRACKETS	Brackets for Seat	90	1
Brake and Cable Assem...	BOLT	BOLT	100	0

Single-Level Where-Used Report

Parent Item #	Parent Description	Component Description	Seq #	Qty Per Par
Comp Item #: 9692 GROMMET				
9692...	MOTOR	GROMMET	7	1
9692...	MOTOR	GROMMET	7	1
6790...	HOUSING	GROMMET	11	4
6792...	HOUSING	GROMMET	13	8
6786	HOUSING	GROMMET	13	8

Multiple-Level Bill of Material Report

The standard multi-level bill of material report requires you to be licensed for the PULSE Designer module. There is a charge for this report and any requested modifications.

The report utilizes the Advanced Screen Designer option of the Designer Module. That is, the report is divided into two panels. The top panel lists your manufactured items. When you click on a manufactured item number in the upper panel, it displays the multi-level bill of material in the lower panel (see the example below)

Choose Manufactured Item To View					
Prod Cat	Loc	Item #	Item Description	Pur or MFG	Last Mfg Dt
		3000			
FAB	CIN	003-E30...	WHEEL	M	6/13/21
FAB	CIN	005-E30...	WHEEL	M	5/19/21
SUM	CIN	009-E30...	WHEEL	M	6/18/21
SUM	CIN	011-E30...	WHEEL	M	11/21/19
SUM	CIN	102-E30...	HOUSING	M	5/27/21
SUM	CIN	104-E30...	HOUSING	M	6/11/21
SUM	CIN	134-E30...	HOUSING	M	6/18/21
SUM	CIN	135-E30...	HOUSING	M	3/14/20
SUM	CIN	145-E30...	HOUSING	M	12/8/19

=75

Contains([Item #], '3000')

Multi-Level BOM View																	
Item #	Parent Loc	Level	Seq #	Parent Item Desc	Comp Item #	Comp Item Desc	Activity Flag	Pur/Mfg	Qty Per Par	Qty_On Ord	Qty_Alloc	Comp Loc	Average Cost	Extended Avg Cost	Extended Std Cost	Scrap Factor	Scrap Qty
003-E30...	CIN	0	1	WHEEL	E30...	EDGE HOUSING	A	P	1.75	0.00	123.43	CIN	\$6.440446	11.27078...	12.16250...	0	0
003-E30...	CIN	0	2	WHEEL	ZIPPER...	ZIPPER BAGS	A	P	1.33	0.00	12,092.00	CIN	\$0.300000	0.399000...	0.399000...	0	0
003-E30...	CIN	0	3	WHEEL	ZIPPER...	ZIPPER BAGS	A	P	1	0.00	6,818.00	CIN	\$0.046000	0.046000...	0.046000...	0	0
003-E30...	CIN	0	4	WHEEL	COR...	PACKAGING MATERIAL...	A	P	7.5	0.00	50,964.71	CIN	\$0.020000	0.150000...	0.150000...	0	0
003-E30...	CIN	0	5	WHEEL	POL...	BUSHING	A	P	1	4.00	6.00	CIN	\$6.880000	6.880000...	6.880000...	0	0
003-E30...	CIN	0	6	WHEEL	EWFR	EDGE HOUSING	A	P	1	0.00	1,151.27	CIN	\$0.018481	0.018481...	0.000000...	0	0
003-E30...	CIN	0	7	WHEEL	POL...	BUSHING	A	P	4	0.00	58,159.03	CIN	\$0.100000	0.400000...	0.400000...	0	0
003-E30...	CIN	0	8	WHEEL	W0005	LABEL	A	P	1	0.00	936.00	CIN	\$0.018100	0.018100...	0.028190...	0	0
003-E30...	CIN	0	9	WHEEL	LABOR	LABOR COST	N	P	0.31	0.00	6,068.54	CIN	\$10.500000	3.255000...	3.255000...	0	0
003-E30...	CIN	0	10	WHEEL	OVE...	OVERHEAD COST	N	P	0.31	0.00	6,030.25	CIN	\$10.500000	3.255000...	3.255000...	0	0
E3000-0...	CIN	1	1	EDGE HOUSING	E3409	EDGE HOUSING	A	P	2.46	2,000.00	281.97	CIN	\$8.244070	20.28041...	20.29500...	0	0
E3000-0...	CIN	1	2	EDGE HOUSING	ZIPPER...	ZIPPER BAGS	A	P	1.67	0.00	12,092.00	CIN	\$0.300000	0.501000...	0.501000...	0	0
E3000-0...	CIN	1	3	EDGE HOUSING	ZIPPER...	ZIPPER BAGS	A	P	1	0.00	6,818.00	CIN	\$0.046000	0.046000...	0.046000...	0	0

Customizing the Multiple-Level Bill of Material Report

The Multi-Level BOM report was designed to be easily modified. The example below was developed for customers that want to determine if they have sufficient on-hand quantities of each component to make the item ordered by their customer.

The upper panel of the report lists all unshipped customer orders. If you click on an item in the upper panel, the report displays the indented bill of material in the lower panel. The lower panel also tells you quickly if any component has an insufficient available quantity. See the example below.

OE Order #	Status	Ord Dt	Cust #	Customer Name	Pur or MFG	Open?	Item #	Item Description	Ord Qty	O/H Qty (Loc)	Qty Avail (Loc)	Order Total \$
00212228	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	728	1,384	-1,616	\$20,930.00
00212227	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	672	1,384	-1,616	\$19,320.00
00212228	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2374-...	BELT	624	0	-2,204	\$3,276.00
00212227	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2374-...	BELT	576	0	-2,204	\$3,024.00
00215465	1	4/30/21	000000001000	CINCINNATI DISTRIBUTORS	M	Y	6210S...	PRODUCT LINE TRUCK	417	790	373	\$9,119.79
00212231	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	412	1,384	-1,616	\$11,845.00
00212230	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	408	1,384	-1,616	\$11,730.00
00218884	1	5/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	400	0	-3,300	\$11,500.00
00212229	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	392	1,384	-1,616	\$11,270.00
00212232	1	4/15/21	000000001300	FLORIDA DISTRIBUTORS	M	Y	2373-...	BELT	388	1,384	-1,616	\$11,155.00
									20,315			\$813,960.24

OE Order #	Item #	Comp Item #	Comp Item Desc 1	Comp pur_or_mfg	Parent Qty Needed	Make ?	Total Component Qty Needed	Comp_Qty_Avail	Comp_Qty_On_Hand	Comp_Qty_Allocated	Short QTY
00215465	6210S-5...	POLY ...	BUSHING	P	417	No	1,251.00	-8,159.03	50,000.00	58,159.03	9,410.03
00215465	6210S-5...	POLY ...	BUSHING	P	417	No	417.00	-951.00	0.00	951.00	1,368.00
00215465	6210S-5...	VELCRO ...	VELCRO	P	417	No	417.00	-1,558.00	0.00	1,558.00	1,975.00
00215465	6210S-5...	CART...	SHIPPING CARTON	P	417	Yes	417.00	3,590.17	3,861.17	271.00	0.00
00215465	6210S-5...	E5410...	EDGE HOUSING	P	417	No	287.73	2,482.92	3,061.49	928.57	0.00
00215465	6210S-5...	EW39...	EDGE HOUSING	P	417	Yes	417.00	391,487.00	396,868.00	5,381.00	0.00

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