Bills of Materials

The first character of a row defines the row type and drives the processing of the row. If a comment token was defined, all rows beginning with the given character are skipped.

The following row types are supported:

- H - Header row
- I - Item row
- S - Supplier row
- R - Resource row
- T - Text row

Every other first character, except the comment token, generates an error message.

Download an example CSV file from here: Bills of Materials importer file example

Header row type

It represents the header of the Bill of Materials.

No.	Name	Mandatory	Possible types/values	Description
1	Row type	✔	H	
2	Product No.	✔	Text	Item code of the product/sub-assembly. Must be a valid item code.
3	Planned Average Production Size		Number	
4	Quantity		Number	If left empty, the value will be 1.
5	Warehouse (To)		Text	Must be a valid code of a warehouse.
6	Price List		Integer	Must be a valid code of a price list.
7	Distribution Rule 1		Text	The Distribution rule for Dimension 1. Must be a valid identifier of a distribution rule.
8	Distribution Rule 2		Text	The Distribution rule for Dimension 2. Must be a valid identifier of a distribution rule.
9	Distribution Rule 3		Text	The Distribution rule for Dimension 3. Must be a valid identifier of a distribution rule.
10	Distribution Rule 4		Text	The Distribution rule for Dimension 4. Must be a valid identifier of a distribution rule.
11	Distribution Rule 5		Text	The Distribution rule for Dimension 5. Must be a valid identifier of a distribution rule.
12	Project		Text	Must be a valid identifier of a project.
13	Calculation Base Quantity		Number	
14	Custom Code		Text	
15	Is Auto Roll		N/Y	N - No Y - Yes If left empty, the value will be 'N'.

No.	Name	Mandatory	Possible types/values	Description
16	Milestone type		Integer between 0 and 4	0 - 1 - Milestone 2 - Depends on Begin 3 - Depends on Every 4 - Depends on End If left empty, the value will be '0'.
17	Operation Granularity		Number	
18	Recipe Version		Number	*No validation*
19	Rejected Warehouse		Text	Must be a valid code of a warehouse.
20	Timestamp		Text	*No validation*

If there is a value beyond 20th column, the row is invalid. A format error message is generated, and BoM is not processed.

Item row type

It represents a row on the grid of the Bill of Materials. The BoM row type is defined by the row sub type (second column) in the import file.

The first 15 column is the same for every-sub type. If the sub type of the row is operation, operation specific information can be added on the 16-39 columns.

No.	Name	Mandatory	Possible types/values	Description
1	Row type	✔	I	
2	Row sub-type	✔	Integer between 1 and 8	1 - Material 2 - Operation 3 - Unfinished Material 4 - Supplier Material 5 - By-Product 6 - Unfinished Product 7 - Cost 8 - Phantom
3	Item Code	✔	Text	Define an item with the given sub-type. Must be a valid item code. *The row sub-type is not validated.*
4	Quantity	✔	Number	This field should be empty for operations. The importer automatically calculates the quantity and updates this field with the calculated quantity.
5	Warehouse		Text	Must be a valid code of a warehouse.
6	Issue Method		M/B	M - Manual B - Backflush If left empty, the value will be 'B'.

No.	Name	Mandatory	Possible types/values	Description
7	Milestone type		Integer between 0 and 4	0 - 1 - Milestone 2 - Depends on Begin 3 - Depends on Every 4 - Depends on End If left empty, the value will be '0'.
8	Price List		Integer	Must be a valid code of a price list.
9	Comments		Text	
10	Distribution Rule 1		Text	The Distribution rule for Dimension 1. Must be a valid identifier of a distribution rule.
11	Distribution Rule 2		Text	The Distribution rule for Dimension 2. Must be a valid identifier of a distribution rule.
12	Distribution Rule 3		Text	The Distribution rule for Dimension 3. Must be a valid identifier of a distribution rule.
13	Distribution Rule 4		Text	The Distribution rule for Dimension 4. Must be a valid identifier of a distribution rule.
14	Distribution Rule 5		Text	The Distribution rule for Dimension 5. Must be a valid identifier of a distribution rule.
15	WIP Account		Text	The internal reference of a WIP Account. The internal reference code can be found in the OACT.ACCTCODE field.
16	Consignation Size		Number	
17	Drawing Position Number		Integer	
18	Profit Center		Text	
19	Rejected Warehouse		Text	Must be a valid code of a warehouse.

If the sub-type of the row is not operation, and there is a value beyond 19th column, the row is invalid. A format error message is generated, and BoM is not processed.

Operation row sub-type

No.	Name	Mandatory	Possible types/values	Description
20	Before Time		Number	The importer converts it to a base time using the Operation Time UoM from actual row of CSV or from Manufacturing Operation.
21	Safety Time		Number	
22	Setup Time		Number	
23	Job Time		Number	
24	Teardown Time		Number	
25	After Time		Number	
26	Time Base		Number	

No.	Name	Mandatory	Possible types/values	Description
27	Operation Break		Integer between 0 and 5	0 - 3 - Allowed 1 - Denied 2 - Allowed WC 4 - Allowed NBP 5 - Allowed WCNBP If left empty, the system will copy the value from the manufacturing operation.
28	Operation Time UoM		Text	The value must be a valid time code defined on the TimeUnits (BXPTIMEUNITS) user table.*
29	Is parallel operation		N/Y	N - No Y - Yes If left empty, the system will copy the value from the manufacturing operation.
30	Is overlapping operation		N/Y	N - No Y - Yes If left empty, the system will copy the value from the manufacturing operation.
31	Max Parallel Operations		Integer	
32	Overlapping Quantity		Number	
33	Allocation Window		Number	The importer converts it to a base time using Allocation Window UoM from actual row of CSV or from Manufacturing Operation.
34	Allocation Window UoM		Text	The value must be a valid time code defined on the TimeUnits (BXPTIMEUNITS) user table.*
35	Min Job Quantity		Number	
36	Feature		Text	Must be an existing work center feature.
37	Is Mandatory Work Center		N/Y	N - No Y - Yes If left empty, the system will copy the value from the manufacturing operation.
38	Preferred Work Center		Text	Must be an existing Work Center which supports selected Work Center Feature (from CSV or from Manufacturing Operation)
39	Outsourced		N/Y	N - No Y - Yes If left empty, the system will copy the value from the manufacturing operation.
40	In House Quantity		Number	

No.	Name	Mandatory	Possible types/values	Description
41	Outsourcing Lead Time		Number	If the Outsourced flag is set to Y, the importer converts it to a base time using Outsourcing UoM from actual row of CSV or from Manufacturing Operation. If the Outsourced flag is set to N, this field must be empty.
42	Outsourcing UoM		Number	If the Outsourced flag is set to Y, the value must be a valid time code defined on the TimeUnits (BXPTIMEUNITS) user table.* If the Outsourced flag is set to N, this field must be empty.
43	Items per Outsourcing Unit		Number	If the Outsourced flag is set to N, this field must be empty.

* *In order to use Produmex Manufacturing integrated with Produmex WMS. the UoM must exist in the Units of Measure - Setup (OUOM) standard SBO table as well.*

If the row is an operation row, and there is a value beyond 43th column, the row is invalid. A format error message is generated, and BoM is not processed.

Supplier row type

It represents information about outsourcing partners. It can follow only an operation row or another supplier row, otherwise a format error message is generated and BoM is not processed.

No.	Name	Mandatory	Possible types/values	Description
1	Row type	✔	S	
2	Supplier Code	✔	Text	Must be a valid supplier code.
3	Planned Quantity	✔	Number	

If there is a value beyond 3rd column, the row is invalid. A format error message is generated, and BoM is not processed.

Resource row type

No.	Name	Mandatory	Possible types/values	Description
1	Row type	✔	R	
2	Resource Code	✔	Text	Must be a valid resource code.
3	Quantity	✔	Number	
4	Warehouse		Text	Must be a valid code of a warehouse.
5	Issue Method		M/B	M - Manual B - Backflush If left empty, the value wiil be 'B'.
6	Unit price		Number	
7	Comments		Text	

No.	Name	Mandatory	Possible types/values	Description
8	Distribution Rule 1		Text	The Distribution rule for Dimension 1. Must be a valid identifier of a distribution rule.
9	Distribution Rule 2		Text	The Distribution rule for Dimension 2. Must be a valid identifier of a distribution rule.
10	Distribution Rule 3		Text	The Distribution rule for Dimension 3. Must be a valid identifier of a distribution rule.
11	Distribution Rule 4		Text	The Distribution rule for Dimension 4. Must be a valid identifier of a distribution rule.
12	Distribution Rule 5		Text	The Distribution rule for Dimension 5. Must be a valid identifier of a distribution rule.
13	WIP Account		Text	The internal reference of a WIP Account. The internal reference code can be found in the OACT.ACCTCODE field.

If there is a value beyond 13th column, the row is invalid. A format error message is generated, and the BoM is not processed.

Text row type

No.	Name	Mandatory	Possible types/values
1	Row type	✔	T
2	Text	✔	Text

If there is a value beyond 2th column, the row is invalid. A format error message is generated, and the production order is not processed.

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