

Batches and Serial Number Tracing

Description of batches and serial number tracing

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1. INTRODUCTION

The “Batches and Serial Number Tracing” function in Beas enables the user to trace batch and serial number managed items throughout the whole production life cycle. The function also makes it possible to track all transactions related to a batch or serial number.

Using the “Batches and Serial Number Tracing” function, you can track the following:

- Which batch or serial number item was created using a specific batch or serial number item. For example:
 - Which raw material item was used to create a specific semi-finished product, and which finished product includes this semi-finished item:

Finished Product (SN0012367)

- > Semi-finished Product 1 (SN0012345)
 - > Raw Material Item A (BN00123497)
- > Semi-finished Product 2 (SN0012346)
 - > Raw Material Item B (BN00123498)
 - > Raw Material Item C (BN00123499)

- Whether a specific batch number was transformed into another batch number. This may happen during the following transactions:
 - Batch transfer
 - Split batch
- Whether a batch or serial number was checked against a QC-order.
- Whether a production time receipt was reported for an operation linked to a batch or serial number.
- Any resource(s) related to an operation which is linked to a batch or serial number.
- The delivery note that was created for the delivery of a finished batch or serial number item (if any).

You can track and display the following transactions linked to a batch or serial number:

- Production goods receipt
- Issue for production
- Batch transfer
- Split batch

1.1. Example

1225	WH000175	04.02.19	C50003	ADA Technologies	04.02.19	04.02.19	FG0056		
10	FG0056	Finished good - table			04.02.19	04.02.19		5.00	5.00
	Journal entries								
	receipt 2251					04.02.19			
	BN0016571 Status free								
10	RM001	Table leg						20	20
	issue 1597					04.02.19			20
	Document 4224: issue Pos. 10 (2/4/2019)							1,500.00	1,500.00
20	BN001241 Status free	Table top						5	5
	issue 1597					04.02.19			5
	Document 4224: issue Pos. 10 (2/4/2019)							1,500.00	1,500.00
	SN00124620								
	SN00124621								
	SN00124622								
	SN00124623								
	SN00124624								
10	Assembly Machine	Assembling table			04.02.19	04.02.19		150.000	150.000 Min.

In this example, we are creating tables (**FG0056**), using table legs (**RM001**) and table tops (**RM002**):

- **RM001** is a batch item, with the batch number **BN001241**.
- **RM002** is a serial number managed item, with the following serial numbers:
 - **SN00124620**
 - **SN00124621**
 - **SN00124622**
 - **SN00124623**
 - **SN00124624**

These items were used as raw material in the finished product **FG0056**, **BN0016571** (in Work Order **1225**).

In this example, there are two transactions related to **BN001241**: a goods receipt and an issue for production. Also, there is a time receipt operation related to a resource (Assembly Machine) which is linked to the item:

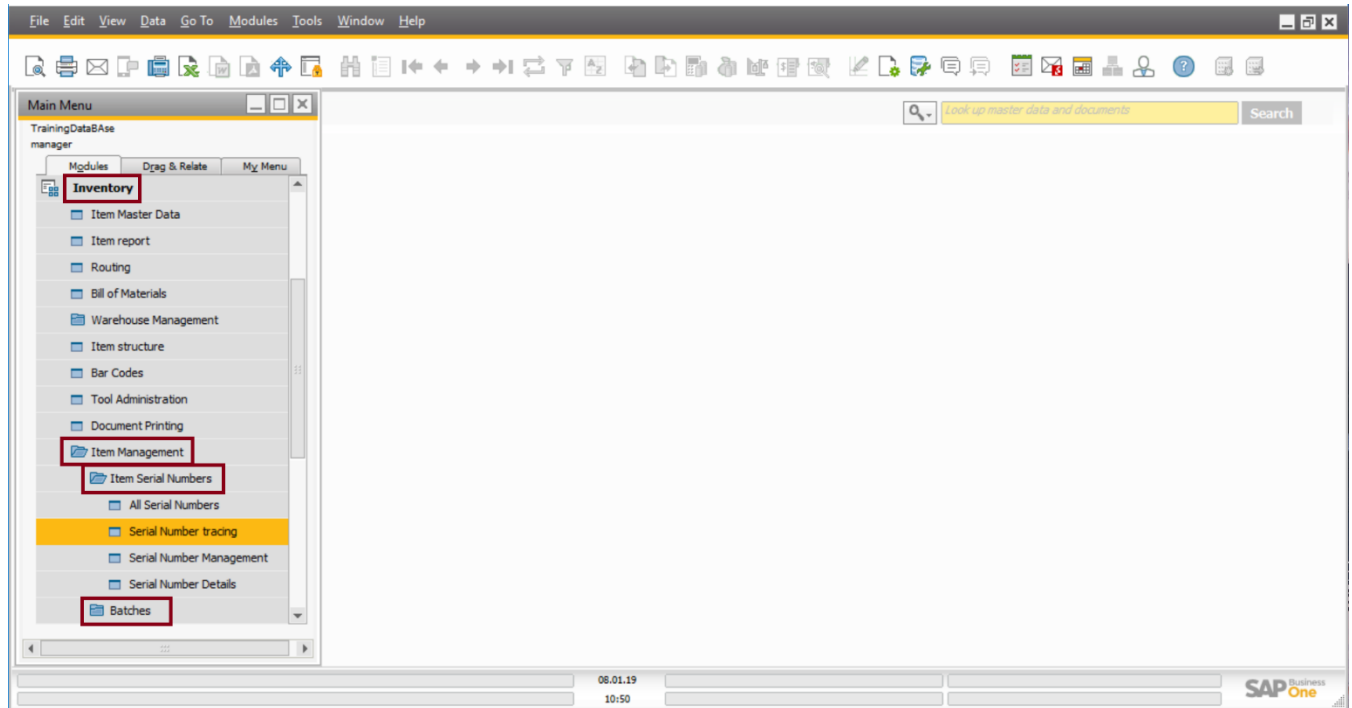
1225	WH000175	04.02.19	C50003	ADA Technologies	04.02.19	04.02.19	FG0056		
10	FG0056	Finished good - table			04.02.19	04.02.19		5.00	5.00
	Journal entries								
	receipt 2251					04.02.19			
	BN0016571 Status free								
10	RM001	Table leg						20	20
	issue 1597					04.02.19			20
	Document 4224: issue Pos. 10 (2/4/2019)							1,500.00	1,500.00
	BN001241 Status free								
	Goods receipt 709 V4894 Lumax from 04.02.19/10								40.00
	issue 1598 from 04.02.19 Work Order 1225/10/10								-20.00
20	RM002	Table top						5	5
	issue 1597					04.02.19			5
	Document 4224: issue Pos. 10 (2/4/2019)							1,500.00	1,500.00
	SN00124620								
	SN00124621								
	SN00124622								
	SN00124623								
	SN00124624								
10	Assembly Machine	Assembling table			04.02.19	04.02.19		150.000	150.000 Min.
	14 Rudolf Hansi	04.02.19 10:00:00 AM - 12:30:00 PM						5	150.000 Min.

To see what information is displayed about these items when you use the "Batches and Serial Number Tracing" function in Beas, see [Section 2 PROCESS](#).

2. PROCESS

To trace a batch or serial number in the system, follow these steps:

1. Go to **Inventory > Item Management > Item Serial Number** and select **Serial Number tracing**:



Under **Item Management**, you can also select **Batches > Batch tracing**.

The **Batches and Serial Number tracing** window opens.

2. Enter an item code in the **Item** field. You can enter an item code by typing the item code manually in the **Item** field, or you can select an item from the drop-down list.

Batches and Serial Number tracing

Item: **FG0056** Finished good - table

Batch number: **Item**

Contains: **Used**

Number: **FG0056** Finished good - table

FGMT01 Electronic Pump XR400

FP002 Finished product: table

inventory-ser-test inventory-ser-test

KG_Doener Döner

mtc_level1 machine street

mtc_level2_1 machine 1


mtc_level2_1m1 material 1

mtc_level2_2 material machine 2

mtc_level2_2a1a material 1 sub machine2

Warehouse Name Order Pos 1 Pos 2 QC order Time Rece Res

OK Cancel Detail

You can also search for an item in the system by clicking the  icon next to the **Item** field.

In this example, we selected item **FG0056**, which is described in [Section 1.1 Example](#).

- Once an item is selected, select a serial number or a batch number in the **Batch number** field. You can enter a batch or serial number manually, or you can select a number from the drop-down list.

Batches and Serial Number tracing

Item: **FG0056** Finished good - table

Batch number: **BN001234569** Status Inventory Range All

Contains: **Used**

Number: **BN001234569**

BN0016545

BN0016546

BN0016547

BN0016550

BN0016565

BN0016566

BN0016570

BN0016571


BN0016572

BN0016786

Note

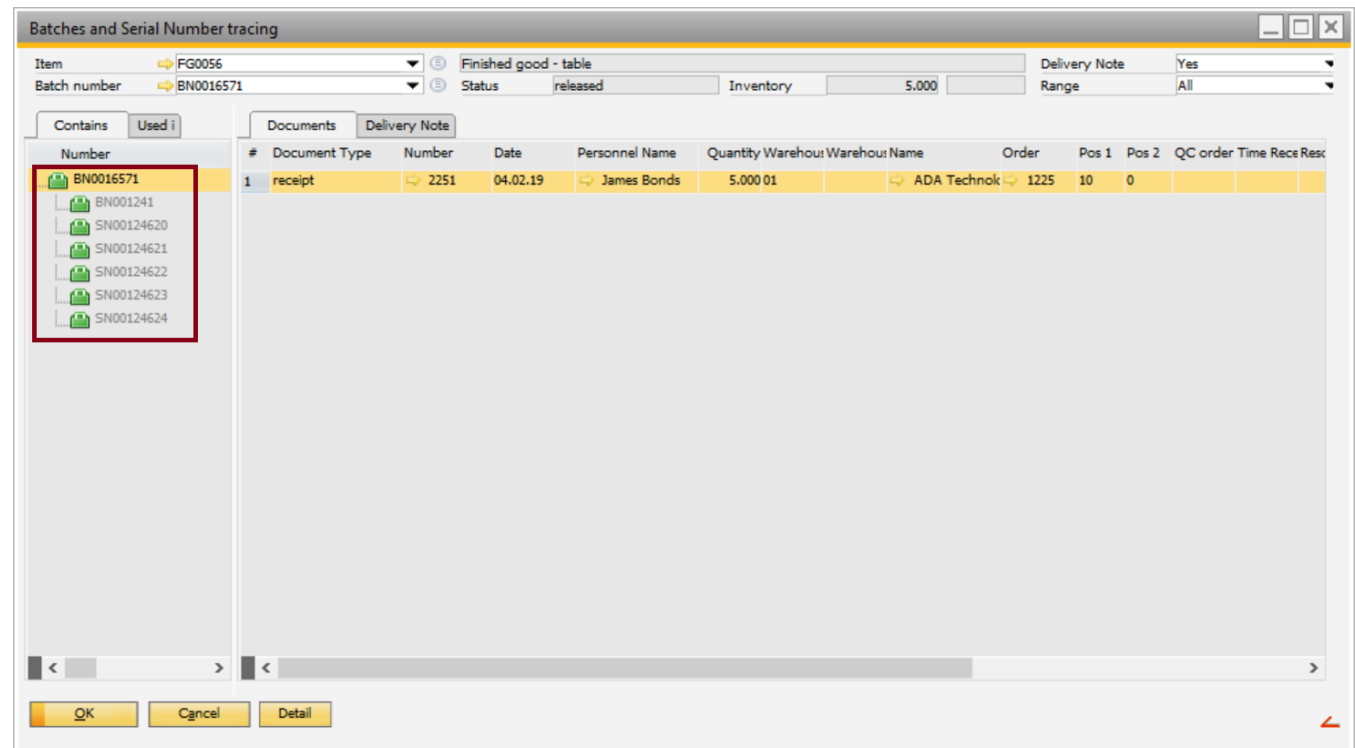
Number Date Personnel Name Quantity Warehouse Warehouse Name Order Pos 1 Pos 2 QC order Time Rece Res

OK Cancel Detail

You can also search for a batch or serial number in the system by clicking the  icon.

The default name of this field is **Batch number**. However, if a serial number is entered in the field, the name of the field will be displayed as **Serial number**.

The selected item is now displayed on the **Contains** tab with an overview of all the batch and serial number items that are linked to this item in the system.



#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2251	04.02.19	James Bonds	5.000	01	ADA Technok	1225	10	0				

In this example, all the batch and serial numbers are displayed on the **Contains** tab which are linked to **BN0016571** – as described in [Section 1.1 Example](#).

If an item is directly linked to another item, the associated batch or serial number is displayed in black. If an item is only indirectly linked to another item, the associated batch or serial number is greyed out.

For more information, see the description of the field **Range** in [Section 2.1 Header](#).

2.1. Header

This section describes the fields in the header of the **Batches and Serial Number tracing** window.



Item: The item code of the selected item.

Batch number: The batch or serial number that you want to trace in the system.

The default name of this field is **Batch number**. However, if you select a serial number in this field, the name of the field will be displayed as **Serial number**.

Description: A description of the item selected in the **Item** field.

The information in this field is defined in the **Item Master Data**. To modify this information, go to **Inventory > Item Master Data**.

Status: The status of the selected item in the system. The possible values of this field are the following:

- Locked
- Released
- No access

Inventory: The quantity of the item in stock and the Unit of Measure (UoM).

Delivery Note: Specifies whether delivery note information is displayed related to the selected batch or serial number. The possible values of this field are the following:

- **Yes:** If this value is selected, a **Delivery Note** tab is displayed on the right-hand side panel below the header (see [Section 2.5 Delivery Note Tab](#)). If there is any delivery note created for this item in SAP Business One, information about the delivery note(s) is displayed on this tab.
- **No:** If this value is selected, no **Delivery Note** tab is displayed in the **Batches and Serial Number** tracing window.

Range: Specifies the range of items and transactions that are to be displayed for the specified item. The possible values of this field are the following:

- **Direct:** If this value is selected, the system displays all items that are directly linked to the selected batch or serial number. For example:
 - A batch linked to another batch through a batch transfer or split batch transaction (for an example, see [Section 3.1 Example – Batch Transfer](#)).
 - A raw material item used in a finished good where the goods receipt of the finished product and the issue for production of the raw material item are reported together in the same process. For example:
 - Backflushing booking process (for an example, see [Section 3.2 Example – Backflushing](#))
 - Order time receipt – automatic material posting at the last operation sequence (for an example, see [Section 3.3 Example – Production Time Receipt – Automatic Material Posting at Last Operation Sequence](#))
- **Indirect:** If this value is selected, the system displays all items that are indirectly linked to the selected batch or serial number. For example:
 - A raw material item that is included in a finished product, but there is no transaction that would directly relate the two items. For example, the goods receipt of the finished product and the issue for production of the raw material are posted as two separate transactions.

In cases where there are many items indirectly related to the selected batch or serial number on multiple levels, using the indirect calculation method may be very time-consuming.

- **A11**: If this value is selected, the system displays all items that are directly or indirectly linked to the selected batch or serial number.

2.2. Contains Tab

The **Contains** tab displays an overview of all the batch and serial numbers that are linked to the specified item.

Batches and Serial Number tracing

Item: FG0056, Finished good - table, Delivery Note: Yes

Batch number: BN0016571, Status: released, Inventory: 5,000, Range: All

Contains tab selected. List of items:

- BN0016571
- BN001241
- SN00124620
- SN00124621
- SN00124622
- SN00124623
- SN00124624

#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2251	04.02.19	James Bonds	5,000	01	ADA Technok	1225	10	0				

Buttons: OK, Cancel, Detail

The system displays an overview of the items indicating how the items are related to one another. For example, which serial or batch number is included in which semi-finished or finished item.

Each item on this tab is marked with one of the following icons:

- : indicates that the item is locked
- : indicates that the item is released
- : indicates that the item is not accessible

If an item is directly linked to another item, the associated batch or serial number is displayed in black. If an item is only indirectly linked to another item, the associated batch or serial number is greyed out.

In this example, the raw material items are indirectly linked to the finished product (**BN0016571**), because the issue for production transaction of the raw material items and the goods receipt of the finished product are posted as two separate transactions.

To display more information about any of the batch or serial numbers in this window, select the item on the **Contains** tab and click the **Detail** button at the bottom of the page.

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
 Batch number: BN0016571 Status: released Inventory: 5.000 Range: All

Contains Used i

Number

- BN0016571
- BN001241
- SN00124620
- SN00124621
- SN00124622
- SN00124623
- SN00124624

Documents Delivery Note

#	Document Type	Number	Date	Personnel Name	Quantity	Warehou	Warehou: Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2251	04.02.19	James Bonds	5.000 01		ADA Technok	1225	10	0				

OK Cancel Detail

This opens the **Batches and Serial Number tracing** window of the selected item.

Batches and Serial Number tracing

Item: RM001 Table leg Delivery Note: Yes
 Batch number: BN001241 Status: released Inventory: 0.000 Range: All

Contains Used i

Number

- BN001241

Documents Delivery Note

#	Document Type	Number	Date	Personnel Name	Quantity	Warehou	Warehou: Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	Goods receipt	709	04.02.19		40.000 01		Lumarx							
2	issue	1597	04.02.19	James Bonds	-20.000 01		ADA Technok	1225	10	10				
3	issue	1598	04.02.19	James Bonds	-20.000 01		ADA Technok	1226	10	10				

OK Cancel Detail

2.3. Used in Tab

The **Used in** tab displays all the items that a specific batch or serial number is included in.

Select an item on the **Contains** tab.

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
Batch number: BN0016571 Status: released Inventory: 5.000 Range: All

Contains **Used i**

Number

- BN0016571
- BN001241**
- SN00124620
- SN00124621
- SN00124622
- SN00124623
- SN00124624

#	Document Type	Number	Date	Personnel Name	Quantity	Warehous	Warehous Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	Goods receipt	709	04.02.19		40.000 01		Lumarx							
2	issue	1597	04.02.19	James Bonds	-20.000 01		ADA Technok	1225	10	10				
3	issue	1598	04.02.19	James Bonds	-20.000 01		ADA Technok	1226	10	10				

OK Cancel Detail

Then, click the **Used in** tab to display all the items that the selected batch or serial number is included in.

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
Batch number: BN0016571 Status: released Inventory: 5.000 Range: All

Contains **Used i**

Number

- BN0016571**

#	Document Type	Number	Date	Personnel Name	Quantity	Warehous	Warehous Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2251	04.02.19	James Bonds	5.000 01		ADA Technok	1225	10	0				

OK Cancel Detail

In this example, the selected item is only included in the finished product **BNoo16571**.

For an example where an item is used in several batch or serial numbers, see [Section 3.4 Example – Used in Tab – Item Used in Several Batch or Serial Numbers](#).

2.4. Documents Tab

The **Documents** tab displays the documents for all transactions that are related to the item selected on the **Contains** tab.

The screenshot shows the 'Batches and Serial Number tracing' window. At the top, there are fields for 'Item' (FG0056), 'Batch number' (BN0016571), 'Status' (released), 'Inventory' (5.000), 'Delivery Note' (Yes), and 'Range' (All). Below these fields are three tabs: 'Contains', 'Documents', and 'Delivery Note'. The 'Documents' tab is active, showing a table of transactions. On the left, under the 'Contains' tab, a list of serial numbers is shown, with BN001241 highlighted. The 'Documents' table has columns: #, Document Type, Number, Date, Personnel Name, Quantity, Warehouse, Warehouse Name, Order, Pos 1, Pos 2, QC order, Time, Rece, and Resc. The table contains three rows of data.

#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	Goods receipt	709	04.02.19		40.000 01		Lumarx							
2	issue	1597	04.02.19	James Bonds	-20.000 01		ADA Technok	1225	10	10				
3	issue	1598	04.02.19	James Bonds	-20.000 01		ADA Technok	1226	10	10				

The **Documents** tab provides an overview of all transactions related to an item and allows the user to access all related documents directly from this window.

The fields that are displayed on the **Documents** tab depend on the configuration of the system. To modify the settings, right-click in the **Documents** window and select **Window Settings** in the pop-up window:

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
 Batch number: BN0016571 Status: released Inventory: 5.000 Range: All

Contains Used i

Documents Delivery Note

#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	Goods receipt	709	04.02.19		40.000 01		Lumarx							
2	issue	1597	04.02.19	James Bonds	-20.000 01		ADA Technok	1225	10	10				
3	issue	1598	04.02.19	James Bonds	-20.000 01		ADA Technok	1226	10	10				

Number

- BN0016571
- BN001241
- SN00124620
- SN00124621
- SN00124622
- SN00124623
- SN00124624

my function each windows

Window Settings

Detail

Last Messages

OK Cancel Detail

Document Type: Type of the transaction.

Number: Document number of the transaction.

Date: The date when the document was created.

Personnel Name: The name of the employee who created the document.

The name displayed in this field is the name of the employee in Beas, not the SAP user name.

Employees in Beas are administered in **Human Resources > Personnel**. The SAP user name can be connected to the Beas employee on the **Personnel administration** tab.

The system does not display an employee name in this field in the following cases:

- The employee was working without a terminal when creating the document.
- There is no connection between the SAP user name and the Beas employee name in the system.
- The document was not created in Beas.

Quantity: The posted quantity of the item.

Warehouse: The warehouse where the item is available in stock.

If the posted transaction is a transfer, this is the warehouse where the item is transferred from.

Warehouse 2: The target warehouse (used in cases where the described transaction is a transfer).

Name: Name of the customer or supplier.

Order: The Work Order linked to the transaction.

Pos 1: The assembly position linked to the transaction.

Pos 2: The BoM position linked to the transaction.

QC-order: The QC-order linked to the transaction.

Time receipt: Time receipt linked to the transaction .

Time receipt information is displayed only for transactions posted in Beas 9.0-000 Patch 3 in cases where the posting was created together with a time receipt. (For example, in a "production time receipt – automatic material posting at last operation sequence" process.)

Resource: Resource linked to the order time receipt .

Reference: Reference number of the posting document.

Information: Information coming from the linked document.

Work station: Work station on which the document was created. This information is displayed only if the document was created in Beas.

2.5. Delivery Note Tab

The **Delivery Note** tab displays the delivery note related to a batch or serial number, if there is a delivery note related to the selected item:

Contains

Used

Documents

Delivery Note

Number

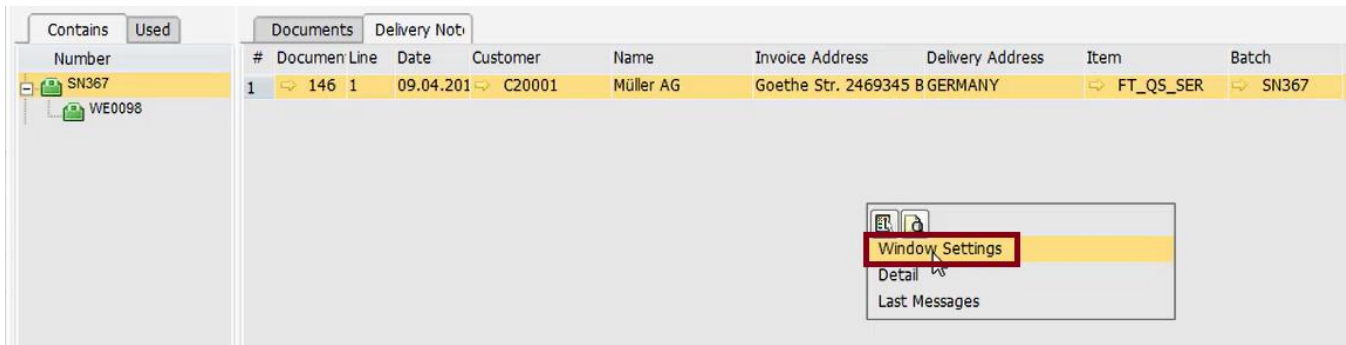
SN367

WE0098

#	Document	Line	Date	Customer Name	Invoice Address	Delivery Address	Item	Batch
1	146	1	09.04.201	C20(Müller AG	Goethe Str. 2469345 B	GERMANY	FT_QS_	SN367

The **Delivery Note** tab allows the user to open the source delivery note document directly from this window. It is also possible to access all information in the delivery note directly on this screen. For example, information about the item that was delivered or information about the customer, and so on.

The fields that are displayed on the **Delivery Note** tab depend on the configuration of the system. To modify the settings, right-click in the **Delivery Note** window and select **Window Settings** in the pop-up window:

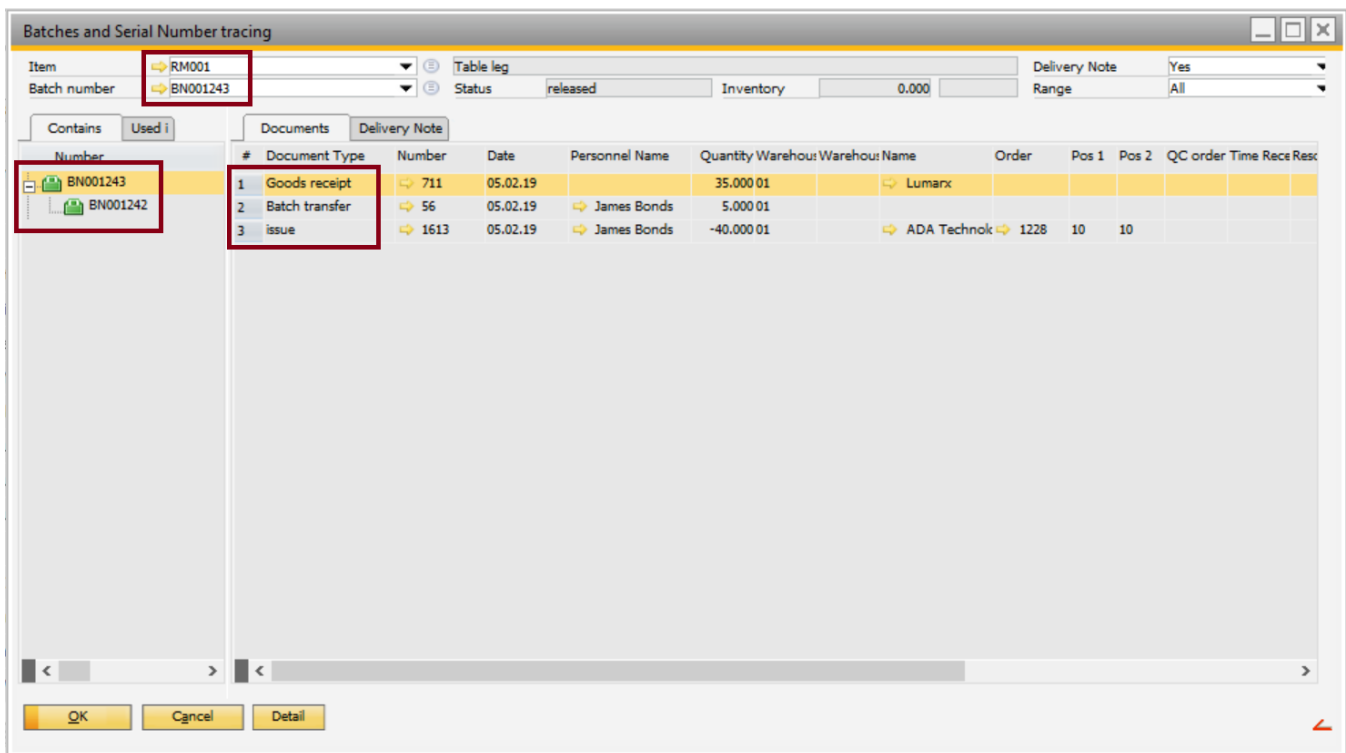


3. SPECIAL CASES

This section provides a description on special cases related to the values described in [Section 2 ROCESS](#).

3.1. Example – Batch Transfer

This section provides an example where a batch item was transferred into another batch item.



In this example, the batch number **BN001242** was transferred into **BN001243**. The item **BN001243** was then used in a Work Order (**1228**) to create a finished product (**BN0016572**).

If you search for the item **BN001243** in the "Batches and Serial Number Tracing" window, you can see that the item is directly linked to **BN001242**. You can also see all the transactions directly related to **BN001243** on the **Documents** tab.

If you select **BN001242**, the system will display the transactions related to this item.

Batches and Serial Number tracing

Item: RM001 Table leg: Delivery Note: Yes
 Batch number: BN001243 Status: released Inventory: 0.000 Range: All

Contains Used i Documents Delivery Note

Number	#	Document Type	Number	Date	Personnel Name	Quantity	Warehou	Warehou Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
BN001243	1	Goods receipt	711	05.02.19		5,000 01		Lumarx							
BN001242	2	Batch transfer	56	05.02.19	James Bonds	-5,000 01									

OK Cancel Detail

If you click the **Used in** tab with item **BN001242** still selected on the **Contains** tab, the system displays the following:

Batches and Serial Number tracing

Item: RM001 Table leg: Delivery Note: Yes
 Batch number: BN001243 Status: released Inventory: 0.000 Range: All

Contains Used i Documents Delivery Note

Number	#	Document Type	Number	Date	Personnel Name	Quantity	Warehou	Warehou Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
BN001243	1	Goods receipt	711	05.02.19		35,000 01		Lumarx							
BN0016572	2	Batch transfer	56	05.02.19	James Bonds	5,000 01									
	3	Issue	1613	05.02.19	James Bonds	-40,000 01		ADA Technol	1228	10	10				

OK Cancel Detail

On this screen, you can see that **BN001242** is only used in **BN001243**, and that **BN001243** is indirectly linked to the finished product, that is, **BN0016572**. The reason why these two items are indirectly linked is that the

goods receipt of **BN0016572** and the issue for production of **BN001243** were posted as two separate transactions in the Work Order.

If you search for the finished product, **BN0016572**, you can see the following:

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
Batch number: BN0016572 Status: released Inventory: 16.000 Range: All

Contains Used i Documents Delivery Note

#	Document Type	Number	Date	Personnel Name	Quantity	Warehous	Warehou: Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2252	04.02.19	James Bonds	3.000	01	ADA Technok	1226	10	0				
2	receipt	2253	04.02.19	James Bonds	3.000	01	ADA Technok	1227	10	0				
3	receipt	2255	05.02.19	James Bonds	10.000	01	ADA Technok	1228	10	0				

Number: BN0016572
BN001241
SN00124625
SN00124626
SN00124627
SN00124628
SN00124629
BN0011242
SN00124630
SN00124631
SN00124632
SN00124633
SN00124634
SN00124635
SN00124640
SN00124641
SN00124647
SN00124648
SN00124649
BN001243
BN001242

OK Cancel Detail

On this screen, you can see that **BN0016572** contains **BN001243**, which is directly linked to **BN001242** (batch transfer). **BN001242** is also included on the list as an item which is indirectly related to the finished product itself (**BN0016572**).

3.2. Example – Backflushing

This section provides an example where items were posted in a backflushing booking process.

Batches and Serial Number tracing

Item: FG0056 Finished good - table Delivery Note: Yes
Batch number: BN0016575 Status: released Inventory: 5.000 Range: Direct

Contains Used i Documents Delivery Note

Number	#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
BN0016575	1	receipt	2259	05.02.19	James Bonds	5.000 01		ADA Technok	1231	10	0				

Number list:
BN0016575
SN00124666
SN00124667
SN00124668
SN00124669
SN00124670
BN001246

OK Cancel Detail

In this example, **BN0016575** is a finished product, while the following are raw material items:

- **SN00124666**
- **SN00124667**
- **SN00124668**
- **SN00124669**
- **SN00124670**
- **BN001246**

The goods receipt of **BN0016575** was posted in a backflushing process, together with the issue for production transaction of the raw material items. Thus, the raw material items are directly related to **BN0016575**, as indicated in the screenshot above.

3.3. Example – Production Time Receipt – Automatic Material Posting at Last Operation Sequence

This section provides an example where items were posted in a “production time receipt – automatic material posting at last operation sequence” process:

Batches and Serial Number tracing

Item: FG0056
Batch number: BN0016573
Status: released
Inventory: 5.000
Delivery Note: Yes
Range: Direct

Contains Used i

Documents Delivery Note

#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Rece	Resc
1	receipt	2257	05.02.19	James Bonds	5.000 01	ADA Techno	1229	10	0					

Number

- BN0016573
- BN001244
- SN00124650
- SN00124651
- SN00124652
- SN00124653
- SN00124654

OK Cancel Detail

In this example, **BN0016573** is a finished product, while the following are raw material items:

- **SN00124650**
- **SN00124651**
- **SN00124652**
- **SN00124653**
- **SN00124654**
- **BN001244**

The goods receipt of **BN0016573** was posted automatically together with the issue for production transaction of the raw material items in a "production time receipt – automatic material posting at last operation sequence" process. Thus, the raw material items are directly related to **BN0016573**, as indicated in the screenshot above.

3.4. Example – Used in Tab – Item Used in Several Batch or Serial Numbers

This section provides an example where an item is included in several batch or serial numbers:

Batches and Serial Number tracing

Item: RM001 Table leg: Delivery Note: Yes
Batch number: BN0011242 Status: released Inventory: 0.000 Range: All

Contains: **Used i**

Number	#	Document Type	Number	Date	Personnel Name	Quantity	Warehouse	Warehouse Name	Order	Pos 1	Pos 2	QC order	Time	Recs	Resc
BN0011242	1	Goods receipt	710	04.02.19		40.000	01	Lumarx							
BN0016572	2	issue	1599	04.02.19	James Bonds	-12.000	01	ADA Technol	1226	10	10				
BN0016574	3	issue	1600	04.02.19	James Bonds	-12.000	01	ADA Technol	1227	10	10				
BN0016576	4	issue	1627	05.02.19	Rudolf Hansi	-16.000	01	ADA Technol	1230	10	10				

OK Cancel Detail

In this example, item **BN0012242** is included in the following finished products:

- **BN0016572** (Work Order 1226)
- **BN0016574** (Work Order 1227)
- **BN0016576** (Work Order 1230)

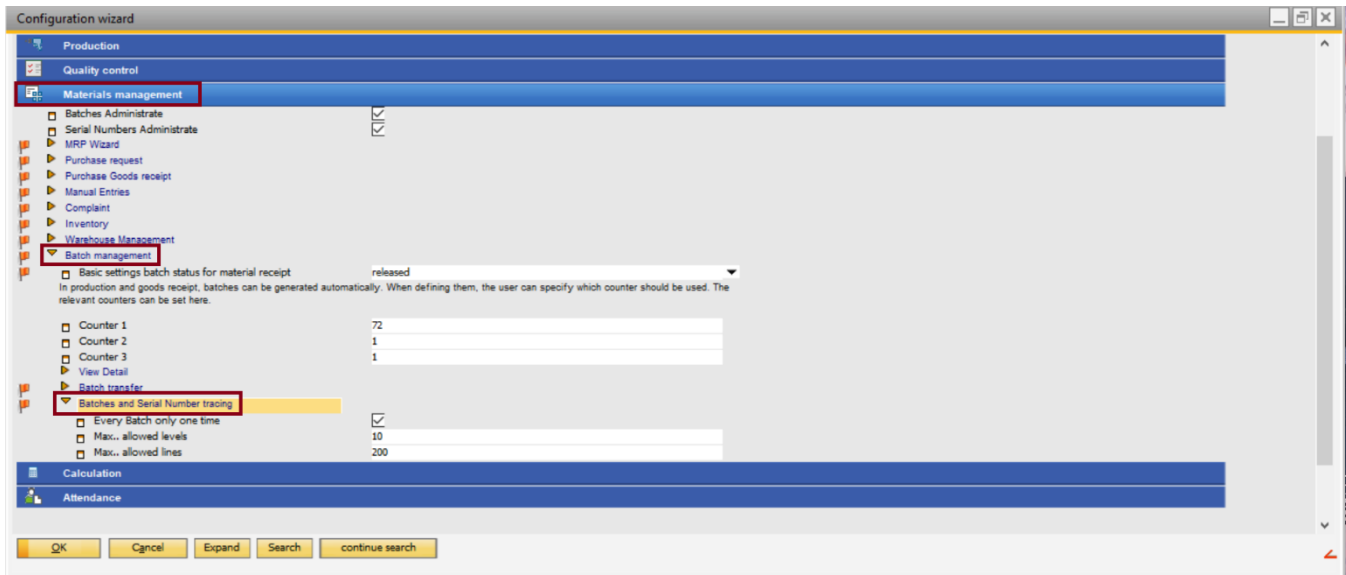
BN0012242 is a batch item which contains 40 raw material items. As indicated in the screenshot above, the items included in this batch are used in three different finished items in three different Work Orders:

- 16 items were used in **BN0016572** (Work Order 1226)
- 12 items were used in **BN0016574** (Work Order 1227)
- 12 items were used in **BN0016576** (Work Order 1230)

4. CONFIGURATION WIZARD

This section provides a description on how to use the Configuration Wizard to set up the “Batches and Serial Number Tracing” function.

To set the parameters related to the “Batches and Serial Number Tracing” function, open the **Configuration wizard**, and go to **Materials management > Batch management > Batches and Serial Number tracing**



The following parameters are available:

- **Every Batch only one time:** If the checkbox for this option is ticked (default), each batch or serial number is displayed only once in the item overview. Thus, recursive resolutions are prevented.

Example:

```

SN00123876
>SN00127789
  > SN00123876
    >SN00127789
  
```

In this example, SN00123876 includes SN00127789, and SN00127789 includes SN00123876.

This scenario may occur at cancelations, incorrect bookings, and so on.

If a batch or serial number must be used multiple times, the “**Every Batch only one time**” option must be disabled.

Example:

```

Finished product A
  Semi-finished product B1
    BN00126785
  Semi-finished product B2
    BN00126785
  
```

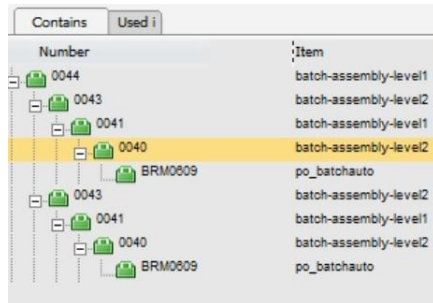
If the same batch or serial number is included in both semi-finished products (sub-assemblies), the item is only displayed twice if the “**Every Batch only one time**” option is disabled.

This scenario may occur, for example, when you have a batch item which contains 4 pieces of an item, and 2 of those items are used in semi-finished product B1, while the other 2 are used in semi-finished product B2.

Example:

If a partial posting has been issued for a batch or serial number multiple times, the partial posting is only displayed correctly if the **"Every Batch only one time"** option is disabled.

In this example, "batch-assembly-level2" has been issued for "batch-assembly-level1" twice, so "batch-assembly-level2" is displayed in the overview twice:



- **Max. allowed levels:** Defines the maximum allowed levels in the item overview. The default value is 15.

An upper limit must be set for the number of item levels displayed in the overview to avoid falling into a permanent loop in a recursive case. The higher the upper limit, the slower the system becomes in a recursive case.

An upper limit of 10 item levels is optimal if a batch does not move more than 10 times from one assembly to another.

- **Max. allowed lines:** Defines the maximum allowed rows in the item overview. The default value is 200.

An upper limit must be defined for the number of rows displayed in the overview to avoid receiving a very long result in cases where there are incorrect postings issued for an item. The higher the upper limit, the slower the system becomes in case there are incorrect postings.