

Kässbohrer

Driven by professionals

**Information manual for
suppliers about item
identification with labels**

Version 1.2

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1. Introduction

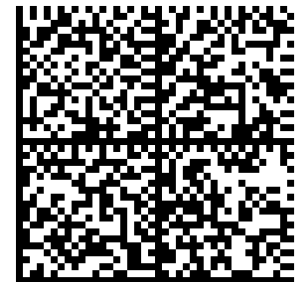
The steady growing of Kässbohrer Transport Technik to fulfil our customer needs makes an implementation of consistent and universal item identification necessary to handle the increasing number of assembly parts.

This manual is an information document for suppliers of Kässbohrer. It contains the new way of item identification at Kässbohrer. More detailed information can be found in the KTT-standard "Matrixkennzeichnung 130-06-01" which has to be kept strictly.

2. Optical Identification – Code standard

The item identification at Kässbohrer defines a tagging with sticky labels to be fixed by all suppliers.

These labels show information in standard text and a Matrix code for optical identification by a scanner. Matrix codes are two dimensional Barcodes. The advantage of such codes is the higher capacity of data unlike Barcodes. A Barcode saves data inside of bars with different width. Matrix codes store the information inside of small rectangles or circles. The standard, which will be used by Kässbohrer, is the international standardized Data Matrix ECC200. (Right figure) This code is able to save more than 2000 alphanumeric signs and can be read with every 2D-Scanner omnidirectional.



3. Tagging of parts

This part describes the way articles have to be tagged by suppliers.

3.1. Level of tagging

Kässbohrer must define a separation between the tagging of trading units and the tagging of single pieces. This means, that Kässbohrer instructs the suppliers on which item labels have to be fixed. The supplier gets the information through three different channels. Information is printed on every order at each single position, on delivery instructions (when existing) and inside the online Barcode generator of Kässbohrer, which is described in chapter 3.2.




3.2. Online Barcode Generator for printing of labels

Suppliers of Kässbohrer have the possibility to use our online barcode generator for printing labels. This tool is accessible under the following address: <http://www.kaessbohrer.at/lp>. The login happens with the six digit supplier number of Kässbohrer. The password will be given personally by Kässbohrer. After the login, the user starts with the main menu.

Supplier's Web platform

Welcome

Welcome to the supplier's web platform
Please make your selection from the right menu.

-  Barcode Generator
-  Defective Parts
- User settings
-  Logout

Inside the menu point "user settings" the supplier has the possibility to change his password und his user language. The following languages are available: German, English, Czech, Hungarian and Italian. Changed settings will be saved.






Supplier's Web platform




Password

New Password

Retype Password

Language

-  Barcode Generator
-  Defective Parts
- User settings
-  Logout




Labels will be generated in the menu point „barcode generator“, where a list of his order positions shows up. The user is able to search with an order number, an order position and/or an article number. It is not necessary to fill in whole numbers. An input of partial numbers is allowed.

Supplier's Web platform

Menu

-  Current order positions
-  Archived order positions

State	Supplier-Nr.	Order Number	Position	Material Number	
	<input type="text" value="205300"/>	<input type="text" value="BE8-00908"/>	<input type="text" value="1"/>	<input type="text" value="643-68-50-560-41"/>	 
	205300	BE8-00908	2	643-71-42-360-41	
	205300	BE8-00908	3	643-71-42-360-41	
	205300	BE8-00908	4	643-71-42-500-41	

-  Barcode Generator
-  Defective Parts
- User settings
-  Logout

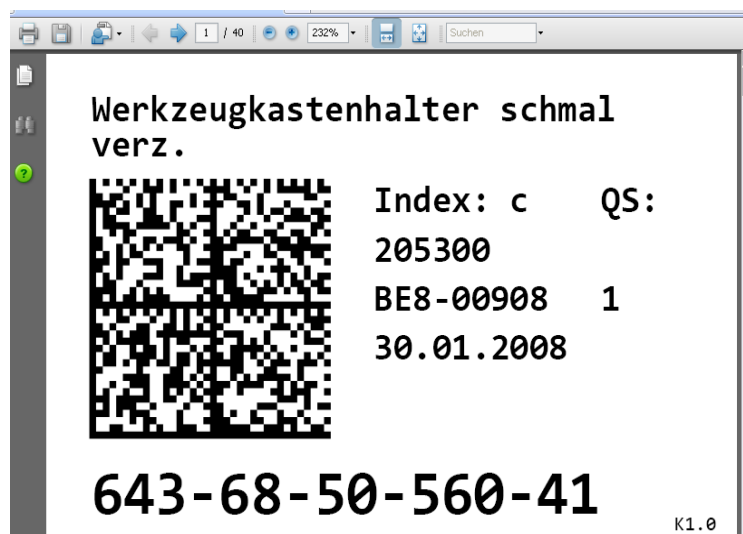
When a row is chosen, the input mask shows up. All the relevant information about the Kässbohrer order is filled in. These fields are grey and cannot be changed by the user. The white fields are input fields, which have to be filled with data by the supplier. The field "Type" informs the user about the level of tagging. "\$ArtikelEbene\$" stands for tagging every single piece. "\$GebindeEbene\$" stands for tagging only every single trading unit. "\$NotDefined\$" stands for no tagging.

means that the supplier has free choice. In the zone "Layout" the user can choose the label format he needs. There are three formats available: Format 76mm x 51mm on castors, "Avery Zweckform 3669" on A4 sheets for office printers and a tag format in size 152,4mm x 76,2mm. The last format is for assembly groups and for trading units.

Supplier's Web platform

The screenshot shows the 'Supplier's Web platform' interface. It features a red header with the 'Kässbohrer Transport Technik' logo. The main content area is divided into sections: 'Layout', 'Order details', 'Amount', and 'Finalize'. The 'Layout' section has a dropdown menu for 'Label printer (76 x 51mm, 3" x 2")'. The 'Order details' section contains input fields for 'Supplier-Nr.' (309053), 'Delivery Note*', 'Material Number' (653-66-11-161-28), 'Description' (Lagerbock D 25.1 galv.verz.), 'Order Number' (BE8-01840), 'Position' (1), 'Index' (b), 'QS', and 'Delivery Date*' (04.03.2008). The 'Amount' section includes 'Type' (\$GebindeEbene\$), 'Container', 'Order Size' (150), and 'Delivery Size*' (150). The 'Finalize' section has 'Create' and 'Back...' buttons. A red sidebar on the right contains links for 'Barcode Generator', 'Defective Parts', 'User settings', and 'Logout'.

When all the data has been filled in, labels will be generated with the button "create".



The last step is the printing of the labels.

3.3. Formats and quality of labels

The following chart shows a general overview about the formats and requirements which will be accepted by Kässbohrer.

Kind of tagging	Format	Use	Quality
Labels on castors for label printers	76mm x 51mm	Parts designed by KTT, standard parts, one way trading units and packages	Polyethylene labels (for direct tagging on a part) Paper labels (for tagging on packages)
Labels on A4 sheets for use with office printers	70mm x 50,8mm	Parts designed by KTT, standard parts, one way trading units and packages	Avery Zweckform 3669, (paper) Only for tagging on packages or in connection with the tag 152,4mm x 76,2mm
Tags on castors for label printers	152,4mm x 76,2mm	Assembly groups, reusable trading units and packages	Dead white polypropylene

3.4. Hardware recommendation for label printers

In general, any label printer can be used. It is not necessary to have a printer which supports Data Matrix code, because the print of labels happens by PDF-document.

a) Zebra ZM400 (printer for industrial applications)

Industrial thermo and thermo transfer printer. LCD Display, USB 2.0, RS232, optional wireless LAN. Price: €1155,-



b) Zebra TLP-2844 (table printer)

Cheap table printer for applications with low print amount. Thermo transfer printer with 203 DPI. Price: €319,-



3.5. Tagging location

The tagging location must be visible on the outside of the part. If a manufacturing sign is already on the part, the label should be close to that. The label position should be described in the delivery instruction (when available).

4. Additional order data

Kässbohrer will provide you, starting from May 2008, with the following data on orders:

- Number of delivery instruction
- Level of tagging
- Trading unit