



**Genero**®  
report writer

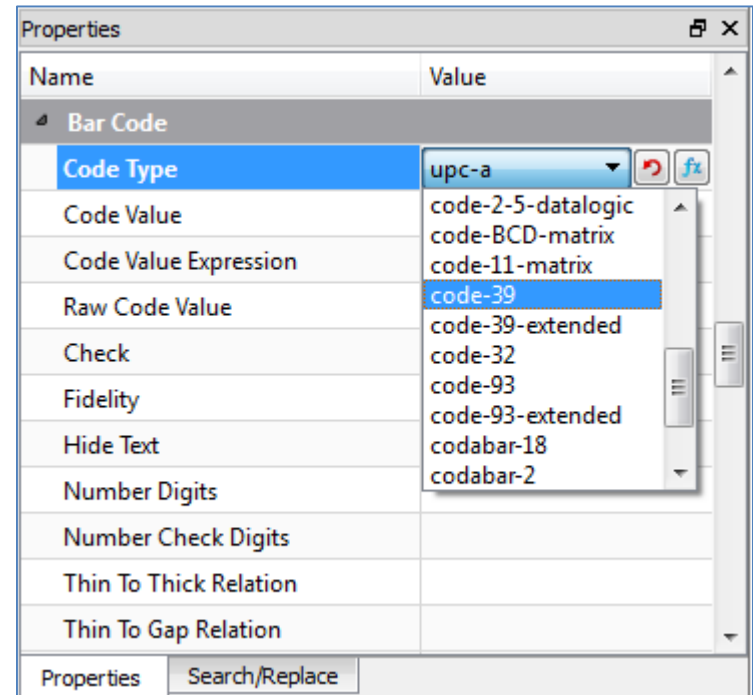
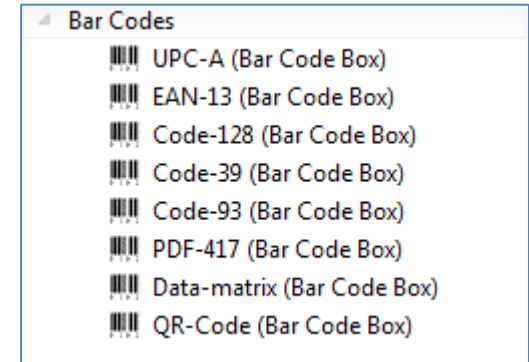
## **BARCODES**

Using Genero Report Writer  
GRS 3.00

After this instruction, you will be able to:

- Work with barcode report objects
- Differentiate between different types of barcodes
- Know about barcode properties

- Different Bar Codes have different properties
- More Bar Code formats available
  - Top 8 shown in Tool Box
  - To access others
    - Place any Bar Code Box on your report
    - Change codeType property to access others



- **Code Type**
  - Select from a list of barcode formats
- **Code Value**
  - Data value for barcode to print
- **Code Value Expression**
  - PXML string expression value to calculate a page number string
- **Raw Code Value**
  - Specific to pdf-417 barcodes
- **Check**
  - Check the check digit at run-time
- **Fidelity**
  - Ensure preview and printout are 100% same.

Bar Code	
<b>Code Type</b>	qr-code
Code Value	
Code Value Expression	
Raw Code Value	
Check	<input checked="" type="checkbox"/>
Fidelity	<input checked="" type="checkbox"/>
Hide Text	<input type="checkbox"/>
Number Digits	
Number Check Digits	
Thin To Thick Relation	
Thin To Gap Relation	
Control Characters	
Data Symbols per Line	
Smart Parse	<input type="checkbox"/>
Prefer Rectangular Symbols	<input type="checkbox"/>
Encoding	
Error Correction Degree	

- **Hide Text**
  - Suppress the display of value underneath the barcode
- **Number (Check) Digits**
  - Some barcode types allow a variable number of digits or check digits
- **Thin To (Thick | Gap) Relation**
  - Relative thickness of barcode lines and gaps
- **Control Characters**
  - Some barcode types have special characters. Depending on the current font you may want to change the special characters used
- **Data Symbols per Line**
  - Specific to pdf-417 barcodes

Bar Code	
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Code Value	
Code Value Expression	
Raw Code Value	
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Fidelity	<input checked="" type="checkbox"/>
Hide Text	<input type="checkbox"/>
Number Digits	
Number Check Digits	
Thin To Thick Relation	
Thin To Gap Relation	
Control Characters	
Data Symbols per Line	
Smart Parse	<input type="checkbox"/>
Prefer Rectangular Symbols	<input type="checkbox"/>
Encoding	
Error Correction Degree	

- **Smart Parse**
  - Specifies that the codeValue property is parsed in "smart" mode
- **Prefer Rectangular Symbols**
  - Specific to data-matrix barcodes
  - Check the box to enable rectangular symbols
- **Encoding**
  - Specifies the encoding for non ASCII characters in the code value
- **Error Correction Degree**
  - Specific to certain barcodes (pdf-417, qr-code, data-matrix)
  - Specifies the Error correction degree

Bar Code	
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Number Digits	
Number Check Digits	
Thin To Thick Relation	
Thin To Gap Relation	
Control Characters	
Data Symbols per Line	
Smart Parse	<input type="checkbox"/>
Prefer Rectangular Symbols	<input type="checkbox"/>
Encoding	
Error Correction Degree	

- Depending on the value of CodeType and Check properties, not all values can be printed by the barcode
  - Tests for correctness and length
    - You may find that you have to have “good” data
  - Tests check-digit
    - You can disable this check if you don’t have “good” data





- Open the **'OrderReportJava'** demo project
- Check the barcode on the **'OrderStock'** demo report