

# barcode

(mPDF >= 4.0)

barcode – Add a Barcode to the document

## Description

```
<barcode code [ type ] [ text ] [ size ] [ height ] [ pr ] />
```

Add a Barcode to the document.

**Note:** See barcodes and the example file for further information.

## Attributes

### code

Specifies the code to translate to a barcode.  
*code* for EAN13 / ISBN / ISSN / UPCA / UPCE can contain hyphens '-' but no other characters are allowed.  
 Check-digits can be optionally included for EAN13 / ISBN / ISSN / UPCA / UPCE  
**REQUIRED**

### type

*type* specifies the type of barcode required.  
**DEFAULT:** EAN13

#### Values

EAN13, ISBN, ISSN, UPCA, UPCE, EAN8  
 EAN13P2, ISBNP2, ISSNP2, UPCAP2, UPCEP2, EAN8P2 (with EAN-2 supplement code i.e. 01-99 )  
 EAN13P5, ISBNP5, ISSNP5, UPCAP5, UPCEP5, EAN8P5 (with EAN-5 supplement code e.g. 90000 )  
 (UPCE needs the UPCA *code* entered)  
 IMB, RM4SCC, KIX, POSTNET, PLANET  
 C128A, C128B, C128C  
 EAN128A, EAN128B, EAN128C  
 C39, C39+, C39E, C39E+  
 S25, S25+, I25, I25+, I25B, I25B+  
 C93  
 MSI, MSI+  
 CODABAR  
 CODE11

Note: Type with a + at the end includes check-digits.

### text

#### EAN13 only

Specifies whether to show the the code at the top of an EAN13 barcode.  
 Note that ISBN and ISSN always show the text, prefixed with ISBN or ISSN.  
 Values: 1 or 0  
**DEFAULT:** 0

### size

Specifies the size of the barcode.  
*size (float)* will scale the nominal size of the barcode as a factor of 1  
*size="1.5"* will generate a barcode one and half times the height and width of the nominal size set in mPDF  
 NB Sizes between 0.8 and 2.0 are recommended for EAN13 and similar barcodes.

**DEFAULT: 1**

*height*

Specifies the height of the barcode.  
*height (float)* will determine the relative height of the barcode as a factor of 1  
 The height factor is applied after the *size*  
*size="2" height="0.5"* will generate a barcode of twice the nominal width, but with the nominal height.  
 NB Ignored for Postcode barcodes  
**DEFAULT: 1**

*pr*

Specifies the print ratio i.e. narrow:wide bar width for some types of barcode.  
 Valid for: C39 (Code 39), Standard and Interleaved 2 of 5 (S25, I25 etc.), CODABAR and CODE11  
**DEFAULT: Varies between 2.5 and 3.0 dependent on barcode specification (see barcodes)**

## Changelog

Version	Description
4.0	The function was added.

## Examples

### Examples

```
<barcode code="978-0-9542246-0" type="ISBN" height="0.66" text="1" />
```

```
<barcode code="04210000526" type="UPCE" />
// Note the UPC-A code is required which is converted to UPCE
```

```
<barcode code="978-0-9542246-0-8 07" type="ISSNP2" text="1" />
```

```
<barcode code="01234567094987654321-01234567891" type="IMB" />
```

```
<barcode code="SN34RD1A" type="RM4SCC" />
```

```
<barcode code="54321068" type="I25" />
```

```
<barcode code="A34698735B" type="CODABAR" />
```

## Notes

**Note:** The following CSS properties can be set on the `<barcode />` element as though it were standard HTML:

- `vertical-align` (default: middle)
- `border*`
- `margin*`
- `padding*` (default 2mm for EAN13)
- `color` (default black)
- `background-color` (default white)

NB padding has defaults as 0(mm) if not specified  
 Padding is in addition to any specified quiet zones/light margins.

### Example with CSS

```
<style>
.barcode {
  padding: 1.5mm;
  margin: 0;
  vertical-align: top;
  color: #000044;
}
.barcodecell {
  text-align: center;
  vertical-align: middle;
}
```

```
}  
</style>  
<div class="barcodecell"><barcode code="54321068" type="I25" class="barcode" /></div>
```

**Note:** mPDF will generate a Checkdigit for most barcodes if required, which is added to the barcode. If you need to know what the checkdigit is for a particular barcode, you could do the following:

**Example - Generating a checkdigit**

```
// Must not contain any - or spaces  
include('../classes/barcode.php');  
$bc = new PDFBarcode();  
echo $bc->getChecksum('9344543204454', 'C93');  
exit;
```

## See Also

- Barcodes - More information on types of barcode

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