

Guidelines for supply of final digital pages for rotogravure printing

General instructions

Following guidelines are the basis for the supply of digital data and print references for rotogravure printing. If not observed this can lead to unpredictable issues when producing your job.

Please check and approve the data before supply it to us. In terms of content, we process the data exactly as supplied to us. If you need to make any corrections, please contact your repro studio to apply them. This ensures that you hold a copy of the final amendment.

Please consider that resupplied pages, caused by any late amendments, incur additional effort (cost, time) as they have to pass through the whole processing workflow again.

We print according to ISO 12647-4 in the Process Standard Rotogravure. The supplied data as well as the proofs be produced accordingly.

Responsibility

Bagel Roto-Offset as your printer can only guarantee a flawless production process in the basis of the supplied digital data provided it has been produced according to our specifications. The client is responsible for the correct presentation of the digital data.

Basically we recommend a test with printing data and proofs to agree your technical process and verify the suitability of the supplied pages and print references.

Other topics

For advice or further information please contact our Sales or Account Management. They will pass you to a competent contact in the relevant technical department for more specific enquiries.



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1.1st **Comments for reproduction**

Please refer to the following specifications for the technical reproduction process for supply of final digital pages. If not observed, there will be no guarantee of a flawless print reproduction of your data.

1.2nd **Technical framework**

General

The data must be creating in the correct CMYK colour space.

Spot colour data as well as in RGB or LAB created will not be processed. If you have supplied RGB content and we are forced the process it due to the time schedule, TSB will not take responsibility for the colour reproduction of your product.

Image creation

- The maximum dot area for the four printing colours is 280 %.
The correct colour profile should be agreed with TSB corresponding to your job..
- Please avoid a strong UCR or GCR composition.
Exceptions to the above are images with fine patters with the risk of Moiré on the printing copy. Please reduce the colour content on the separations and increase black. Based on complex interactions a Moiré is still not predictable and evitable. In such a case TSB will take no responsibility.
- The first printing tone value are around 5% per colour channel.
Multi-coloured technical elements i. e. fonts and colour panels should have at least 7% per channel, single-coloured at least 10%.



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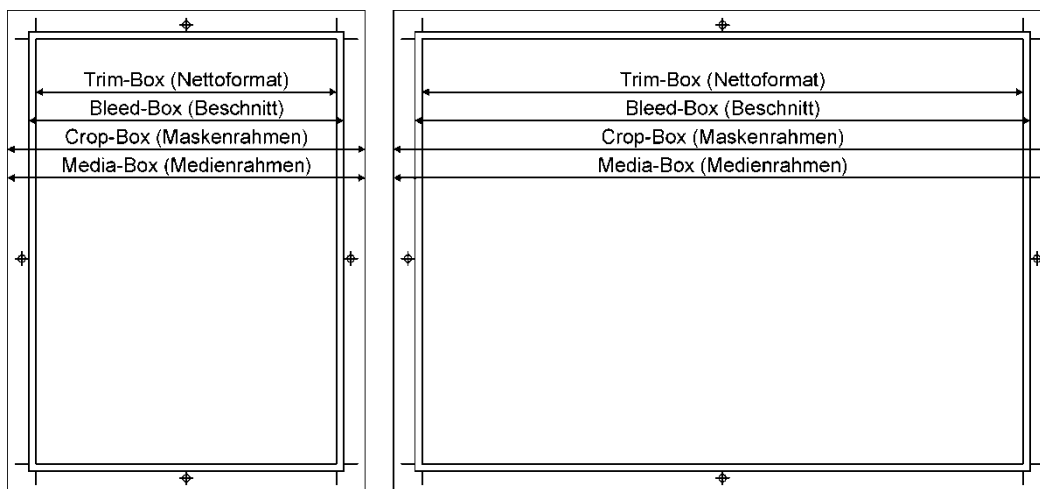
Fonts

- Black text should be defined only as 100% black and overprint.
- The selection of fonts must be adapted to the process:
 - No fonts with serifs
 - No extremely thin or fine fonts
 - Positive text min. 0,20 mm line width
 - Negative text min. 0,25 line width



1.3rd Page setup

- The data can be delivered as single and double pages, mixed will be accepted.
- PDFs as multi page documents will not be accepted.
- All pages of one job must have the same geometric definitions.
- All pages of one job must be centred in the file.
 - Trim-Box = net format
 - Bleed-Box = gross format (gross form = net format+ (2 x 5 mm bleed)
We recommend a trim of min. 3 mm consistent on each side.
 - Crop-Box und Media-Box should be equal, if possible also the gross format.



- Trim marks and register cross must be created outside of the bleed-box (gross format); each 100% in CMYK; length min. 3 mm, thickness 0,2 mm.
- Important visual elements should be placed inwards at least 5 mm from the trim.
- Text that runs over the collar should be spaced depending on the relevant finishing process.



1.4th General conditions for hard copy handling

The supplied data colour proof, produced according to ISO 12647-7, is the control medium for handling of your print job. It should be used the colour profiles recommended by us, preferred the profiles of manufactures of the proof systems.

- File name
- Type of proofer
- Proof parameters with checksum
- Date and time of last proof calibration
- Ugra/ Fogra-media wedge

The assessment takes place to the conditions according ISO 3664:2000:

- Light type 5000 Kelvin
- Overview 2000 Lux

The delivered digital proofs must be checked by the supplier towards the tolerance specifications of ISO 12647-7 though verification of the media wedge by a sticker or imprint.

1.5th Supply of data and print references

The employer will supply imprinted (print free) final pages in PDF format at the printers. Based on data security no open data formats such as QuarkXPress, InDesign or similar will be not accepted.

Please note, subsequent supplied pages caused by correction will be generating an additional effort. These pages have to pass again the whole processing workflow in the data handling.

The name convention of the printing documents must be clear defined

The data supply takes place by FTP. You will get the Login data via our contact form on our webpage www.roto-offset.de.

Digital delivery note

Please send an email to ctp@roto-offset.de with following information:

- Sender
- Contact person
- Oder and section identification
- Colour space / process standard of the manufactured data

1.6th Data formats and data delivery

Type	PDF/X4:2007-2010 Version 1.4-1.6 According ISO 15930-7	PDF/X1a:2001-2003 Version 1.4 According ISO 15930-4
Images - resolution	Colour and Greyscale: 300 dpi Bitmap: 1200 dpi	Colour and Greyscale: 300 dpi Bitmap: 1200 dpi
Images - colour	Loss-free compression CMYK (not RGB) Embedded ICC-Profiles will be ignored	Loss-free compression CMYK (not RGB) Embedded ICC-Profiles will be ignored
Data carrier	CD-Rom ISO 9660, DVD or FTP	
Reference	Adobe InDesign	Acrobat Distiller
Further notes	<ul style="list-style-type: none"> > Composite CMYK > no spot colours > all fonts embedded > black text one coloured overprinting <p>Please use the Adobe Original Settings according the standard Specifications and correct output intent settings.</p> <p>Under Output-> Colour Conversion select Convert to Destination (Preserve Numbers) and select the correct output profile to make sure all data will be transferred into CMYK</p>	

Based on handling and data security, a data supply via e-mail or as download from Internet servers are not permitted.

Only in exceptional cases a download will be possible. The generated additional effort (cost / time) is depended by download speed and extra data handling.



1.7th File naming convention

A fixed naming convention for the supplied data will be recommended. For an automated flawless data handling in the prepress a consistent naming with following information will be essential:

Correction pages are to be provided with a running number to the file name.

[file name]_C1.pdf = first correction

[file name]_C2.pdf = second correction

[file name]_Cn.pdf = n-th correction

For each version change please supply all pages of the version.

The usage of special types, blanks or symbols in the file name is not permitted. Alphanumeric types and underline will be accepted:

- **_abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789**

1.8th Control documents

Hard copy proof handling

For each delivered final page and version is a verified colour proof without corrections i. e. only for content changes a valid laser copy supply.

The delivered proofs must be created from the supplied data of the final pages!

Are the valid proofs at the point of time of engraving not available the data will be taken as reference themselves according to the general conditions of softproof handling.

Are differences in the content between the delivered data and delivered proof, the data will be taken as the reference.





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1.9th **Tolerance**

A production in rotogravure printing, particularly on large format printing machines, differences of the register could not always be eliminating.

Under a tolerance of +/- 0,1 mm will be understood a spread of 0,2 mm.

