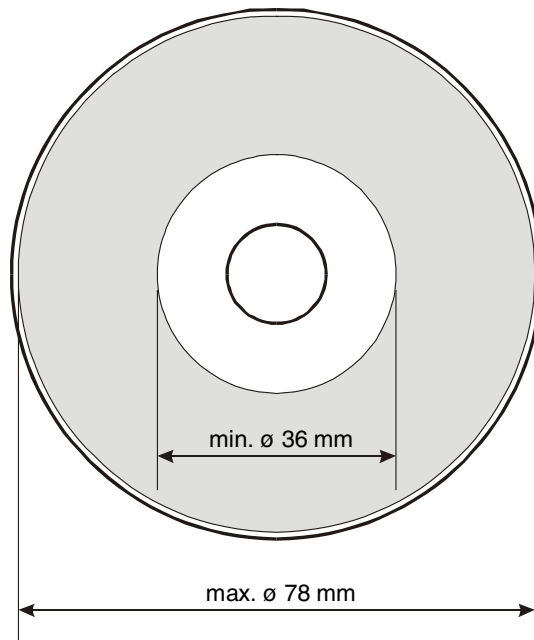
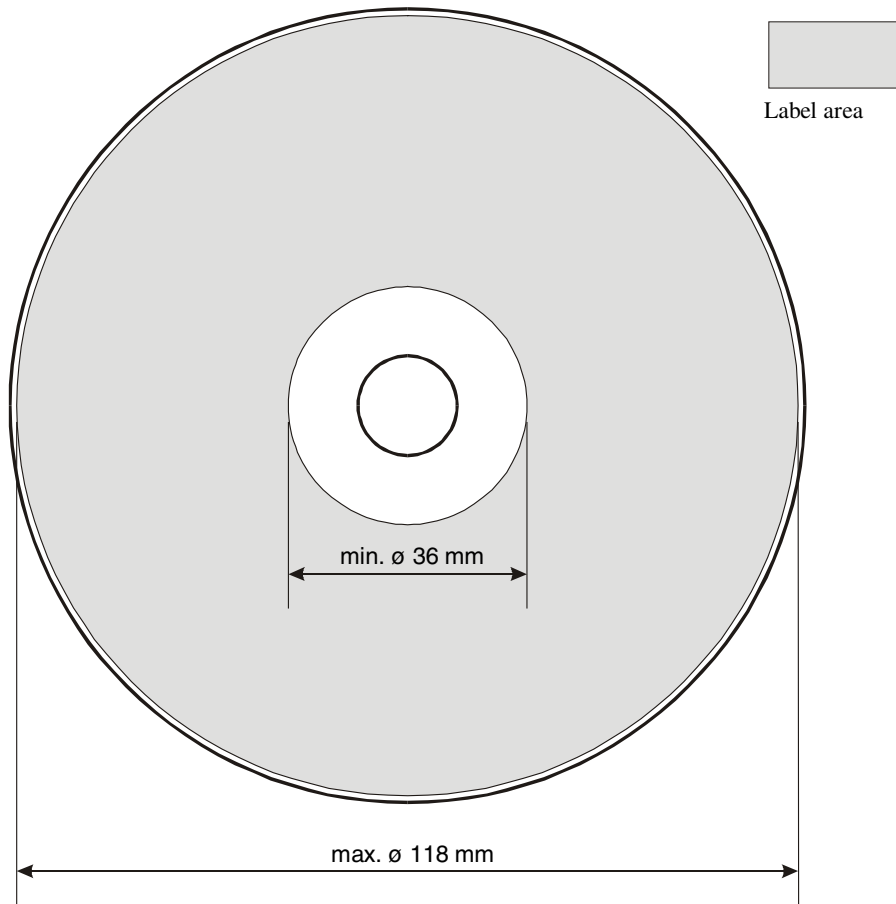


CD label specification – TYPE A

label covering only the metal layer – recommended



P

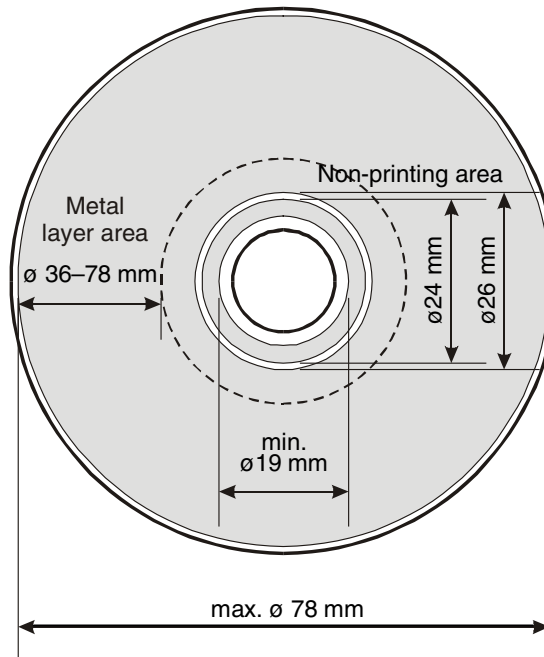
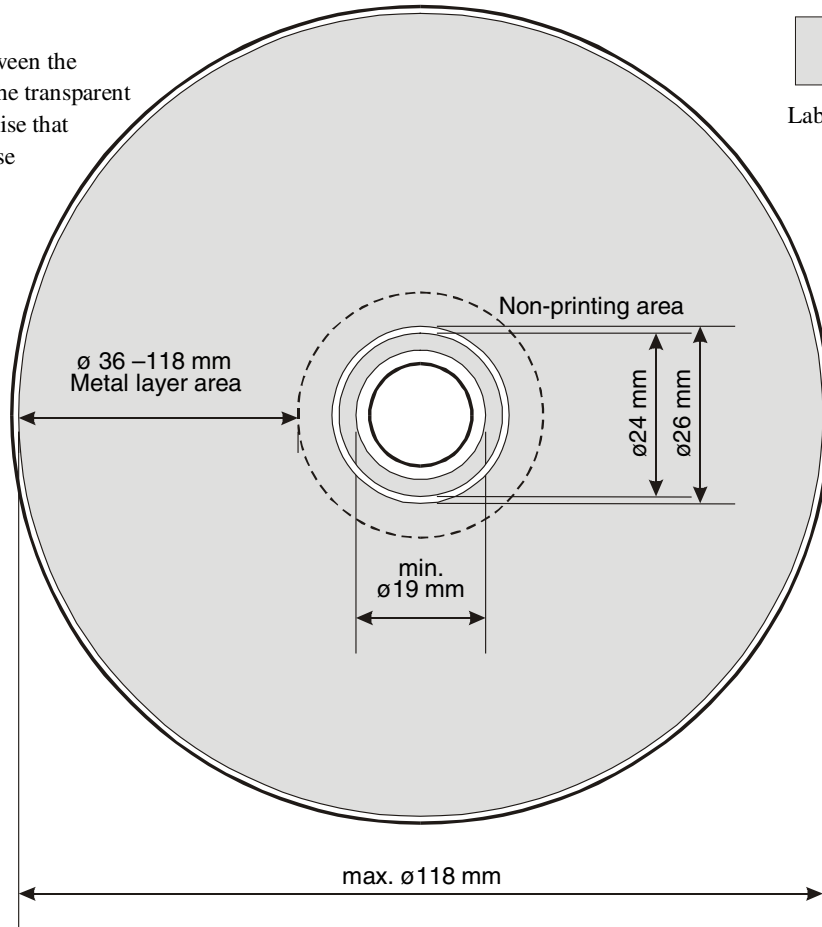
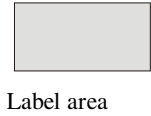
Picture no. 1

CD label specifications – TYPE B

label area covering both the metal and the centre

Advice:

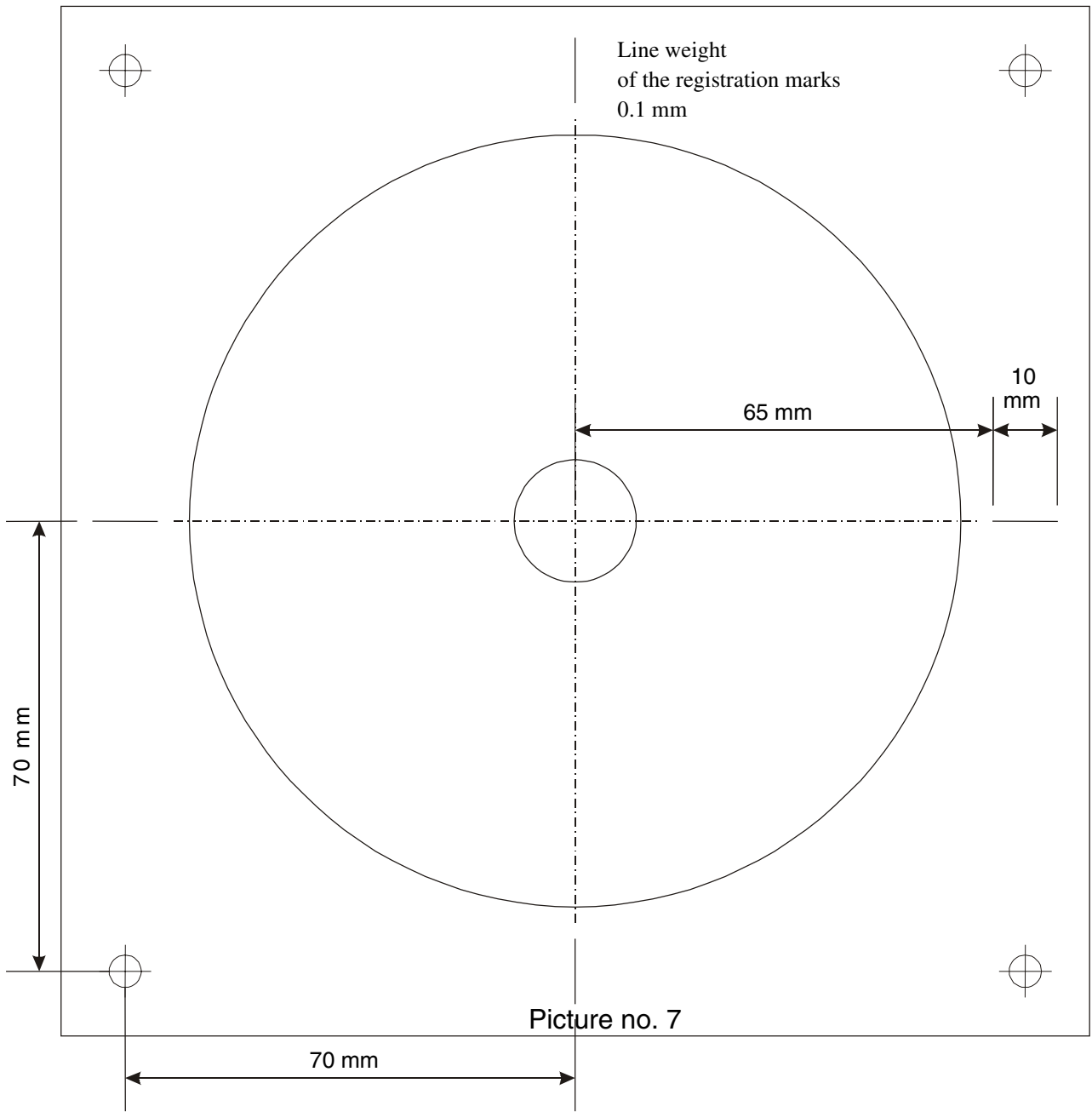
Colour shifts will occur between the area of the metal layer and the transparent centre of the disc. To minimise that effect, we recommend the use of a white background.



Non-printing area
 < ϕ 19 mm
 ϕ 24 to 26 mm
 > ϕ 118 mm

Picture no. 2

Registration marks positioning



How to prepare silkscreen films

1 Films

We require Positive film, Right reading, Emulsion side UP.
Tone range between 15% and 85%.
Screening of 120 lpi (= 48 l/cm).
Dot type autotypic ellipsoid 70/30 dot.
Density above 3.0.
Provide a separate film for each colour, also a film for the white background if applicable.

2 Printable area

CD labels have exact dimensions – no trimming.

Center hole for CD labels must have:

- Type A: 36 mm diameter (only the metalized area is covered) or
- **Type B: 26 mm diameter (a center hole of 19 mm diameter is also possible, but for CDs the image must then be interrupted by a non-printable circular ring with a diameter from 24 to 26 mm).**

3 Minimal line height and font size

For one colour only

Minimal font size for positive print	4 pt. (1.4 mm)
Minimal font size for negative print	5 pt. (1.8 mm)
Minimal line height for positive print	0.1 mm or 0.004"
Minimal line height for negative print	0.15 mm or 0.006"

Two colours and more

Minimal font size for positive print	4 pt. (1.4 mm)
Minimal font size for negative print	6 pt. (2.1 mm)
Minimal line height for positive print	0.1 mm or 0.004"
Minimal line height for negative print	0.2 mm or 0.008"

4 Colour trapping

Colour trapping 0.05 mm.

5 Ruling angles

The **predominant colour** must be rotated to **45° or 135°**.

There must be a ruling angle of 30° between the colours.

Always check the films for moiré patterns!

6 Colour definition

For spot-colour printing we use the **PANTONE Matching System** or Metallics colour scale and the **HKS/K system**.

7 Registration marks

Place 4 registration marks on the corners of the film, with 140mm between each mark as shown on the picture in this document.

8 Identification of the films

You must indicate on each film: the number of the order, the colour code, the screening data (lpi and ruling angle), the grey balance, the registration marks. All of this must appear outside the printing area.

9 Print sample

Provide a Cromalin, Matchprint, Pressmatch, sample CD etc. to use as a colour guide.

Preparing Electronic Artwork

Colour images using CMYK colour model (**no RGB!**)

Resolution of colour and greyscale images – at least 300 dpi in real size!

Resolution of black/white images and line art – at least 800 dpi in real size!

The document **MUST NOT CONTAIN:**

- pictures in format DCS1 or DCS2 (separated EPS)
- pictures in format EPS with PostScript colour management
- ICC profiles

We accept only the following file formats:

1. PDF

must be created from composite postscript (see. point 2) must be Acrobat 4.0 compatible; "press optimised" must be set

Do not use OPI comments

2. Postscript

must be composite (do not set separations!!!) – we recommend postscript printer driver (Adobe) or postscript printer driver ScitexDolev4Press for our imagesetter (PC and MAC drivers are available from <http://www.gzcd.cz>, or by e-mail on request)

It **must not** be created using Linotronics printer driver that creates separated postscript must include all used fonts

3. TIFF