

Please supply the following information on your Purchase Order:

1. Colors to be printed. List Process and Spot colors if used.
2. Specify whitefloods and clearcoat.
3. How art files are to be submitted: Zip disc, CD-rom, floppy, ftp or email.
Include name of art files to be used.
FTP site address & date posted.
Email date & time sent.

For best results and quickest turn, we prefer to generate film from customer supplied digital art files. Using our templates and following our specifications when designing art will also speed up the production of your print job.

Charges for graphics services may occur depending on the amount of corrections and alterations required to conform to our specifications.

Contact your Account Manager or our prepress department if you have questions.

The following specs should be used for supplied film as well.

COMPUTERS & SOFTWARE

Prepress computers are Macintosh OS X platform.

Programs include:

Quark 7.31

Illustrator CS3

Photoshop CS3

InDesign CS3

Freehand 10

Please supply native files with all links and embedded files. *If embedded files are not supplied we will have to export them. Verification of resolution and color format cannot be made because exported images are at the settings we use (i.e. 300 dpi, CMYK). OEM cannot be responsible for any color differences from the original. We will also change RGB files to CMYK and this may also cause a color shift from original file. If this is not satisfactory, please supply your images.*

Please supply and be sure fonts are MAC compatible. *If these are not available it is recommended that fonts be saved as outlines in Illustrator or InDesign. Simply select your text and then choose "Create Outline" from under the "Type" menu.*

Specifications for sending PDFs to OEM as art files:

PDFs **MUST** comply to our specs and be submitted in an OEM template. (see pages 3-5)

Document page set-up should be 152.4mm X 152.4mm (art should be centered).

Maximum outside diameter should be 116mm.

Embedded images must have a resolution of at least 300 ppi.

Color must be in CMYK format (not RGB).

Any Spot colors must be set as PMS colors (not CMYK process).

Fonts must be embedded...(all black text should be set to overprint).

Text set in Photoshop will appear low resolution with grainy edges.

OEM does not have editing capability to change files sent as PDFs at this time.

TEXT & LINE WIDTHS

Minimum line width is .50 pt for positive print and 1 pt for reverse print or knockout.

Minimum type size for positive print is 5 pt.

Minimum type size for reverse print is 6 pt.

Trademark and register marks are always smaller and may not print well. Avoid reversing text out of halftone whenever possible or creating small or thin text with halftone. Text may appear broken or unreadable due to limitations of the dot size.

Text created in photoshop will appear fuzzy if not saved as vector text which means fonts will need to be included with job. If you do this please supply us with the PSD file not just the EPS saved. We will need to open the file and you cannot reopen a vector saved EPS image.

IMAGES, TONAL RANGES, LINESCREEN & SCREEN ANGLES

Jobs can be up to 6 colors. Extra charges will be required jobs over 6 colors.

File types accepted: TIFF, EPS, PSD and JPG.

All scanned images or Photoshop images must have a resolution of 300 dpi.

Photoshop files should be CMYK, not RGB. Any RGB images that are sent will be converted to CMYK using our own color conversion formula, which will change the original color.

When creating jobs in Photoshop please put your template or center holes on a separate layer.

Use Pantone Color Matching System for all spot colors. *Keep in mind if Pantone colors are converted to CMYK the color may not appear as it would have as a Pantone color. Some Pantone colors do NOT convert well.*

Tonal range for silkscreen should fall between 15% and 90%. (Anything under 15% may not print and anything over 90% may become solid).

Supplied film recommended angles:

Yellow--90°

Magenta--45°

Cyan--75°

Black--105°

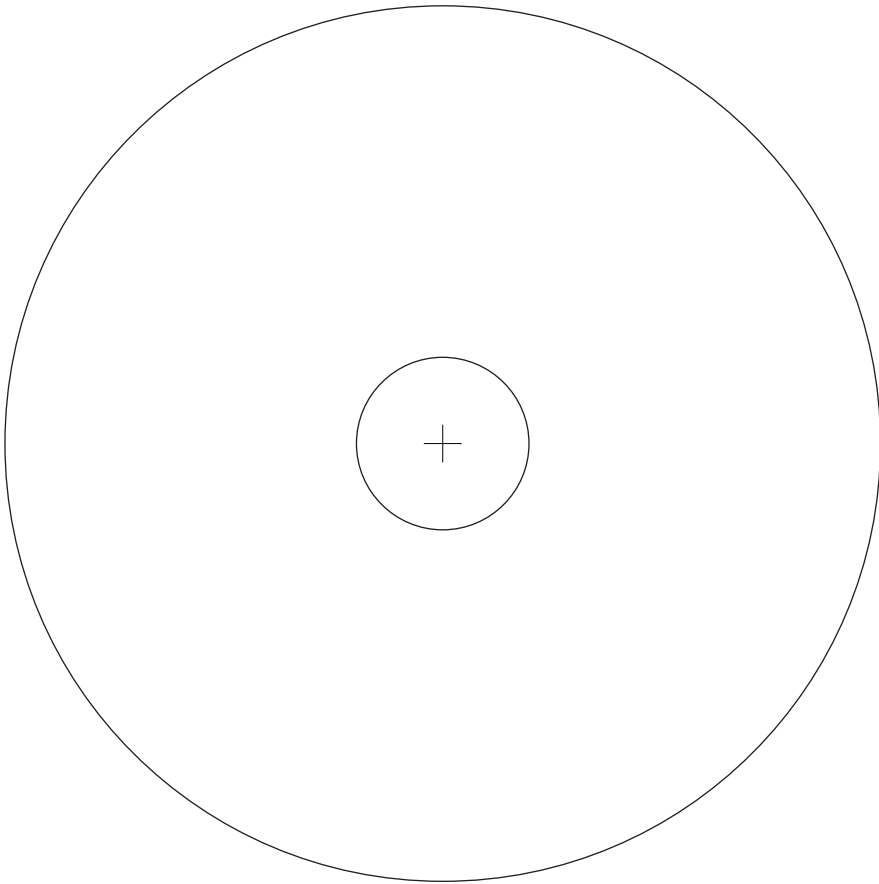
***This will not always work, depending on the amount of each color in your films. We prefer digital files to make the best possible decision on screen angles to decrease moire.*

Minimum linescreen 85 and Maximum 120. Elliptical dots.

Right reading, emulsion up supplied film.

PDFs sent to you for approval are for content only. Because of varying viewing conditions and monitors, color accuracy of the final print cannot be guaranteed to your monitor.

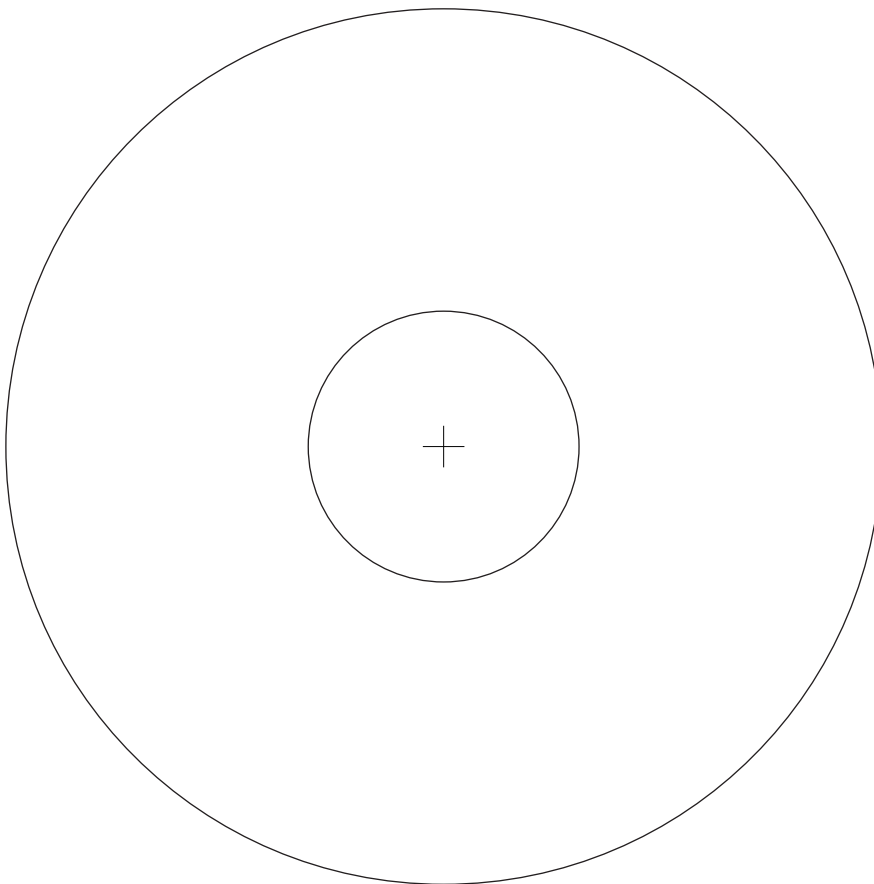
PLEASE NOTE: Make sure logos and text that are printing white or knocking out of images are **NOT** set to overprint in Illustrator. This cause problems viewing in Acrobat and may result in the logo or text not being printed correctly.



**116-A template
Print-to-Center**

Maximum outer edge 116mm
Maximum inner edge 23mm

For CD with white flood
For DVD with or without white flood

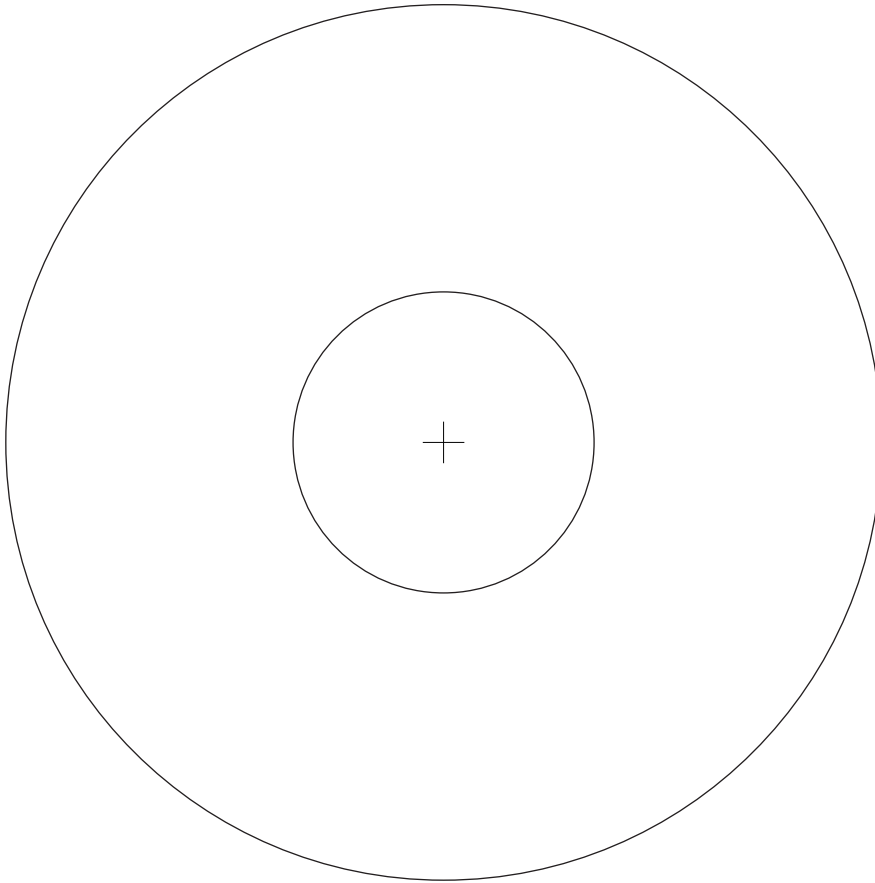


**116-D template
Edge of Clear Plastic Area**

Maximum outer edge 116mm
Maximum inner edge 36mm

For CD with or without white flood
NOTE: If you choose not to use a white-flood on this template, remember your text and image will still print over the mirror band.

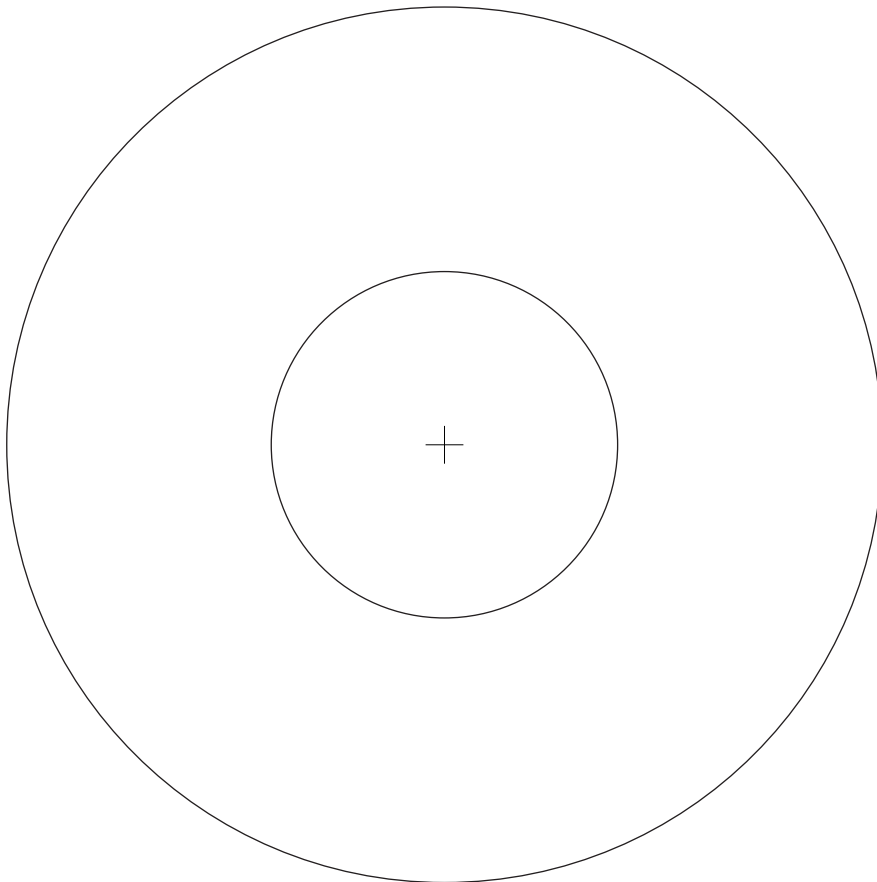
Usually not used for DVD



**116-F template
Middle of Mirror Band**

Maximum outer edge 116mm
Maximum inner edge 40mm

For CD with or without white flood.
NOTE: If you choose not to use a white-flood on this template, remember your text and image will still print over the mirror band.
Usually not used for DVD



**116-C template
Edge of Mirror Band**

Maximum outer edge 116mm
Maximum inner edge 46mm

For CD with or without white flood
Usually not used for DVD

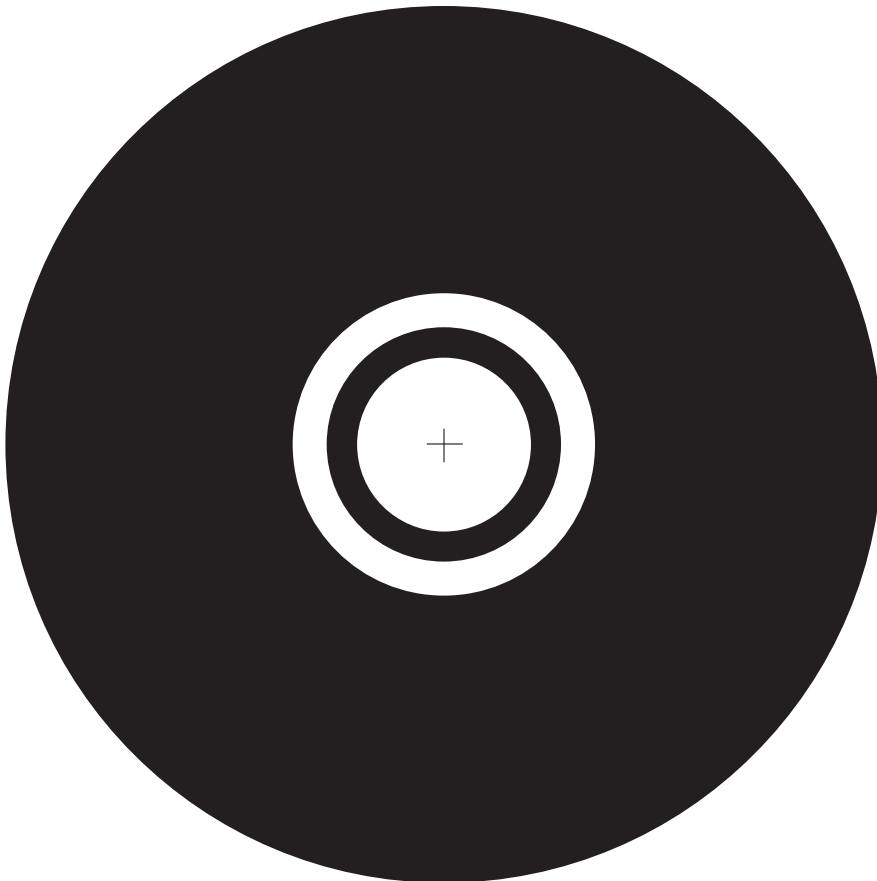
NOTE: This template will show the mirror band information



**116-B template
Stacking Ring Knock-out**

Maximum outer edge 116mm
Knock-out 32mm - 36mm

For CD with or without white flood
Usually not used for DVD



**116-B5 template
Stacking Ring Up
Knock-out**

Maximum outer edge 116mm
Knock-out 31mm - 40mm

For DVD 5 with or without white flood