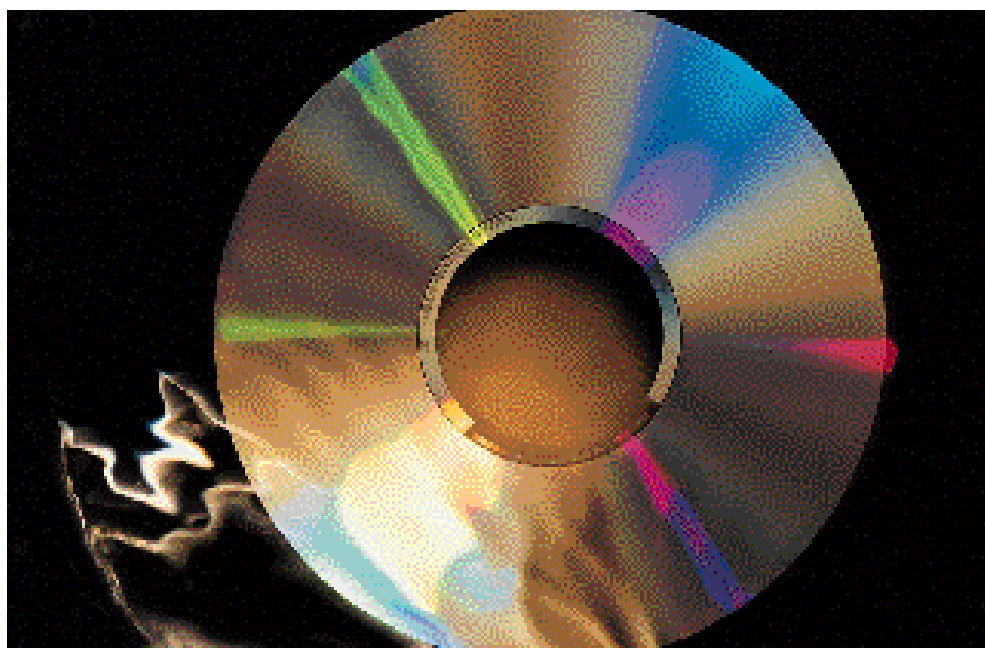


# SONY



## CD-AUDIO MANUAL

V4.0D

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### List of Revisions

Version 3.2D    January 1994        Number of pages: 30  
Version 4.0D    June 1996            Number of pages: 42 + Annex

The following was changed:

- General revision
- Enlargement CD EXTRA
- Supplement of packing options by special formats
- Bleed to 3 mm
- All drawings new
- Condition at time of supply for artwork

*This subject handbook was set up to facilitate the correct preparation of the input components for CD production with Sony DADC. Similar handbooks are available for our other products such as CD-ROM, Laser Disc, Minidisc and Playstation Disc.*

*Compliance with the specifications for input components indicated in the respective chapters will avoid time-consuming and error-prone subsequent work. Rework may considerably extend the production, thus making it more expensive. Therefore, we advise you to provide the specifications to the staff charged with the preliminary work, in particular external sound, graphics and mastering studios.*

*Since the final product will depend on the quality of the components supplied, the adherence to the subject specifications represents an essential contribution to the provision of the high quality of our products which you expect as a customer.*

*In general, all prices and schedules by Sony DADC are valid based on the assumption that the input components provided by you will meet the subsequent specifications. In case of components which do not meet the specifications, these are returned or improved upon customer's request and the additional expenses will be charged. Prices for CDs and special services (e.g. sound carrier editing, film exposure, film generation etc.) can be seen in our valid price list.*

## 1. SOUND CARRIER

### 1.1. CD AUDIO

The following pages contain important specifications for the sound carrier as well as examples for the additional information required which should be provided in the form of the information sheets in chapter 5.

**Please transmit these specifications to your sound studio.**

We request you to provide completed sound carriers in accordance with the following specifications. However, if you are not able to do so we will accept the finishing. Sony DADC has all the equipment required to prepare your sound carriers (in the current formats) for the CD production. Such studio work is, e.g., PQ-coding, digital editing for the digital formats such as U-Matic and R-DAT as well as analogue/digital conversion of 1/4" or 1/2" analogue tapes and transfer of CD-R discs and 8mm Exabyte.

#### 1.1.1. General

- Maximum playing time guaranteed:
  - 77 min. 00 sec. for 12 cm CD
  - 21 min. 50 sec. for 8 cm CD
- Max. number of tracks: 99
- Max. number of index points:  
99 for each track
- Max. number of tracks and index points:  
1740
- Minimum length of one track: 4 sec.

Please send us for each CD a tracking list (Label Copy), i.e. a form on which the order and duration of the individual songs to be included in the CD are indicated by the producer. Furthermore, please send a list which exactly indicates on frames start, index and end times of the tracks on the sound carrier.

If you use an analogue tape or a DAT for the sound carrier or if final corrections are to be carried out by us on your Master tape, we request that you fill in the enclosed "Premastering Instructions" sheet (see example page 10 and chapter 5).

The quality of the sound carrier is of the utmost importance for the final quality of your product. We thus advise that in the preparation of a sound carrier it is subjected to another careful "sound check" after "editing".

Please note the observed, but inevitable and/or incorrigible occurring disturbing noise by indicating type and point of time in the "Sound & Noise Information" (see example page 8 and chapter 5). Thus, unnecessary delays of CD production due to inquiries can be largely avoided.

Please do not send us "original" tapes but a copy of your sound-checked CD-Master tapes recorded continuously. Experience has shown that additional editing work (and expenses) are frequently caused by the fact that the transmitted tapes are not prepared completely for CD production (e.g. disturbing noise in the breaks, too long breaks, sampling frequency changes, different sound levels of the tracks, bad cuts etc.).

#### 1.1.2. Digital Tapes

##### General guidelines

All digital tapes are transferred digitally 1:1 in the mastering process. This means that your CDs will contain the same information as the original.

When preparing the digital tapes we therefore ask you, as already mentioned above, to note point of time and type of unusual side or disturbance noise as well as general information on the recording quality in the "Sound & Noise Information" sheet. Please fill in also the "Premastering Instructions" sheet.

Prior to the first and after the last track at least one minute digital mute with running time code is to be recorded. A break of at least two seconds has to be observed with emphasis change between two tracks.

CD-player producers (based on the Red Book standard by Sony and Philips) request a minimum offset time of 5 frames. We advise with long enough break prior to music beginning an offset time of 10 frames; i.e. the start access point has to be set at least 10 frames prior to the actual music beginning.

**The following definitions are applied:**

**BEGIN**

is the start access point for the CD-player. It also marks the location of each track at which the CD-player starts playing.

**INDEX**

is a PQ point between begin and end point of a track to localize certain parts within a track. This is used, e.g., to be able to select certain movements within a classical piece of music (see graphics: index 2).

**END**

means the end of a track. The end indication is set without offset time after the track has faded away. When setting the end point special attention is to be paid to avoid cutting off the last track (see graphics: end track 2).

Special cases are represented by recordings in which two pieces of music fade into each other. We advise

not to use an end point and to set the begin point directly at the beginning of the new track (see graphics below: Begin Track 5).

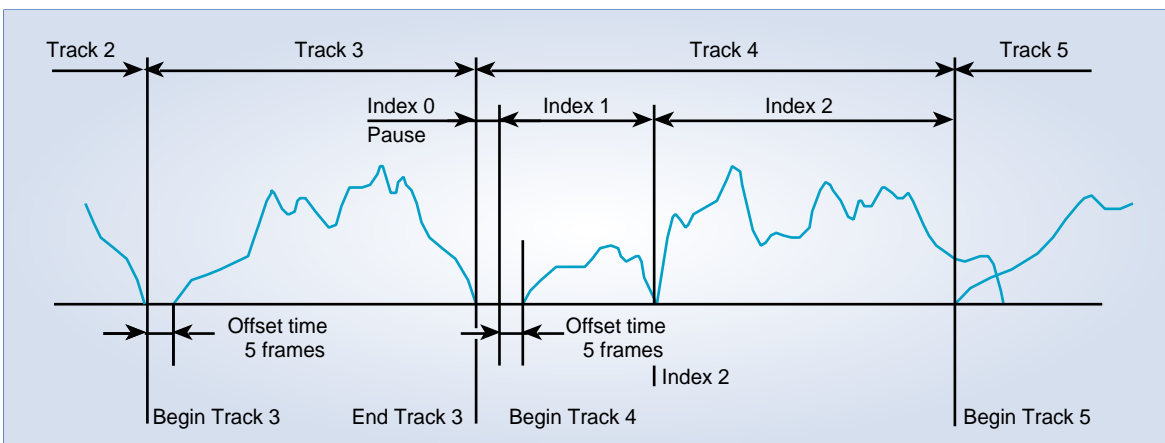
**International Standard Recording Code (ISRC) and UPC/EAN Code**

A catalogue number (UPC/EAN Code) as well as ISRC numbers as assigned by the IFPI can be recorded in subcode on every CD. To do this, UPC/EAN Code and ISRC Code must be included in the PQ Code on the input sound carrier or it must be specified in the "Premastering Instructions".

**Specifications for U-Matic tapes**

- Sampling frequency: 44.1 kHz
- Tape format: 3/4" U-Matic NTSC Standard
- Time Code: SMPTE Non-Drop Frame
- The time code has to be recorded from the beginning on the analogue track 2 of the U-Matic tape.
- Time Code (frame unit) has to be synchronized on NTSC video signal (frame).
- The time code has to run continuously and without interruption and must not exceed 23 hours, 59 min., 59 sec., 29 frames.

The PQ data have to be stored 15 sec. after the tape begin on the analogue track 1 of the U-Matic tape. With these data which are used as localization information for the CD-player special attention has to be paid to offset time, start, end and index points.



# Specifications of the Sound Carriers

## Specifications for R-DAT tapes

- A sampling frequency of 44.1 kHz is to be used. However, it is also possible to transfer tapes with a sampling frequency of 48 kHz.
- The sampling frequency must not be changed during the entire recording of the tape.
- Time code: SMPTE non-drop frame
- Time code (frame unit) has to be synchronized on NTSC video signal (frame).
- The time code has to run continuously and without interruption and must not exceed 23 hours, 59 min., 59 sec., 29 frames.

At the beginning of the individual tracks please store a "Start ID Code".

Do not send original Master tapes or tapes on which assemble edits have been carried out, but a sound-checked copy of the Master tape recorded continuously.

PQ data have to be recorded approx. 15 sec. after tape begin on audio channel 1. When setting the PQ data, mind the same items as with U-Matic.

## Specifications for 8 mm tapes (Exabyte)

We are able to accept your audio data also on 8 mm tapes (similar to video 8 tapes) as input format. In this case mind that the audio data are stored as "audio image file" (similar to CD-ROM data) on the tape. The tape has to be formatted ANSI-labelled (see ANSI X3.27-1987 standard).

The PQ data (track and index information, UPC/EAN code, ISRC code, etc.) have to be stored on the tape in the form of a DDP-file (DDP-disc description protocol as is used, e.g., by Messrs. Doug Carson Associates).

Please only use high-quality tapes and high density drives (e.g. Exabyte 8500 drives). The transfer rate of the tape must not fall short of 350 kByte

during the entire process duration. The error rate ("Soft Error Counts") must be below 5 errors per block (to be checked, e.g., with the TDIR.EXE programme by Doug Carson Associates). The block size must be an integral multiple of 2352 bytes, the minimum being 9808 and the maximum 30576. The audio data on the tape have to be quantized 2 channels, 44.1 kHz, 16 bit linear, data compression must not be used. All data on the tape (audio, PQ, ISRC, etc.) are transferred 1:1 onto the CDs produced.

## 1.1.3. Analogue Tapes

Analogue/digital transfers are also carried out by us.

### Please mind the following technical specifications

- Acceptable tape speeds: 7.5 ips, 15 ips, 30 ips (19 cm/sec., 38 cm/sec., 76 cm/sec.)
- Tape widths: 1/4", 1/2"
- Formats: NAB, CCIR, AES
- Noise reduction: DOLBY A, DOLBY SR

### Reference signals:

According to standard, e.g. for 15 ips CCIT tape

5 Sek.	1 KHz	0db	left channel
5 Sek.	1 KHz	0db	right channel
30 Sek.	1 KHz	0db	both channels
10 Sek.	14 KHz	-10db	both channels
10 Sek.	63 KHz	-10db	both channels

If it is impossible for you to supply these references please send the reference tones you used during the last sound-check of the tape for machine setting. If this, too, is impossible we will adjust to standard reference tape.

### DOLBY

If you use Dolby noise reduction your tape has to contain the corresponding Dolby test signal.

### 1.1.4. CD-R

CD-Rs have to be recorded in one recording process without interruption and in compatibility with the Red Book. It must be possible to play them on standard CD-players.

The CD-Rs must not contain correctable errors (e.g. C2 errors). These can be caused, e.g., by damage of the CD-R (scratches, finger prints etc.), by defects during recording (medium or recording device) or by an interrupted recording.

Type checker print-outs (e.g. Sony CDA-5000 or Audio Development "CD-Cats") should be sent in with the CD-R, if available.

All data on the CD-R (audio and PQ data, ISRC code etc.) are transferred 1:1 onto the manufactured CDs.

Please pay attention to the offset time particularly when setting the PQ points (see premastering instructions as well as general information with regard to PQ encoding). In accordance with the software and hardware you use, it may be necessary that you have to insert digital mutes into the sound files prior to the beginning of the track.

## 1.2. CD EXTRA A new CD format

### 1.2.1. General

CD EXTRA is a new CD format developed especially for interactive music CDs by Philips, Sony and Microsoft and standardized in the so-called Blue Book. Here music titles are connected with a multimedia application without disturbing side effects. Although so-called 'mixed mode' CDs have been available for a long time, the CD EXTRA has many advantages.

The combination of music with computer data is realized in the CD EXTRA by the multisession principle. Two 'sessions' are copied onto the CD, the first session only contains the music information according to the 'Red Book' standard, whereas the computer data are stored in the second session.

CD audio players can only access the first session, thus there is no risk that your CD player will reproduce computer data or remain mute during the data track.

CD EXTRA compatible CD-ROM drives, on the other hand, can access both sessions. Thus, you can listen to the different music titles and also start the multi-

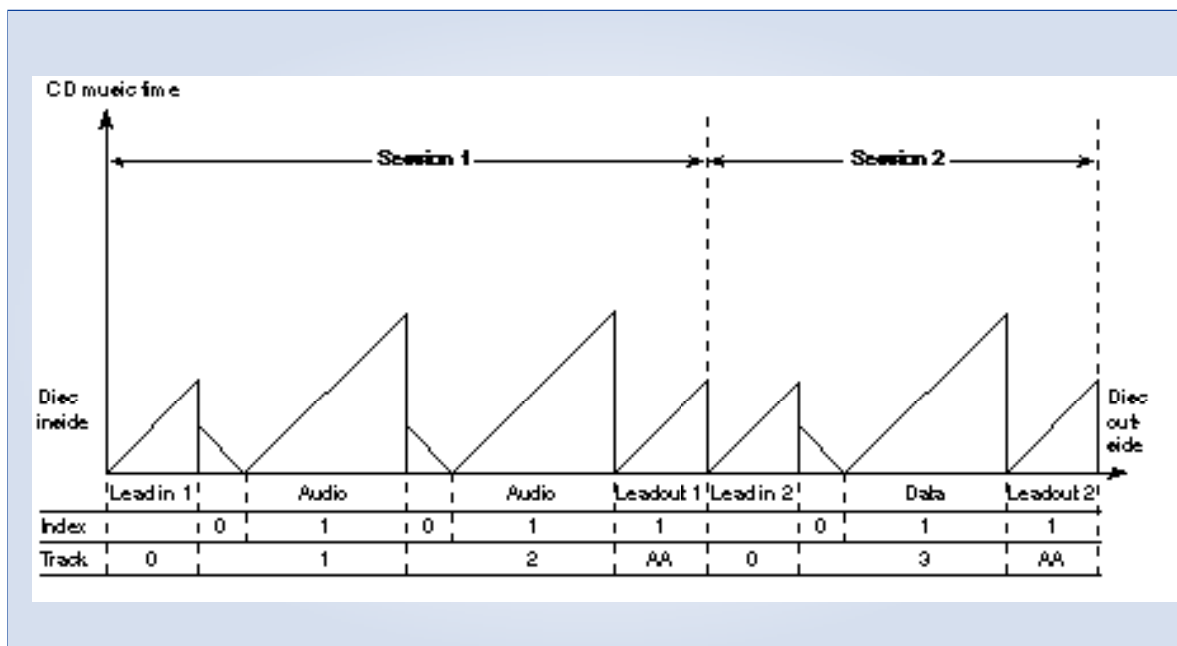
media application on your computer. Then the music experience is complemented by additional information such as lyrics, pictures and much more.

With regard to a traditional 'mixed mode' CD it must be stated that reproducing computer data on traditional audio CD players may lead to heavy hiss and even damage the loudspeakers.

### 1.2.2. Storage capacity of a CD EXTRA

Sony DADC produces CDs with a maximum capacity of 77 minutes. 2 minutes and 30 seconds are required to put the two sessions on the CD EXTRA together. The remaining 74 minutes and 30 seconds are available for music and its interactive applications.

Let us consider an example of an Audio CD with 10 music titles, each lasting 5 minutes. This results in a total music time of 50 minutes. Thus, minus the time for putting the sessions together, 24 minutes and 30 seconds or approximately 215 megabytes for texts, graphics, pictures, videos, biographies and much more will remain.



### 1.2.3. Premastering and input media for CD EXTRA

You can send us your CD EXTRA already formatted on a CD-R. We will produce an exact copy of your CD-R.

If you have questions with regard to formatting or need support in premastering your order, please get in touch with your Customer Service staff at Sony DADC. If you do not have the possibility to 'burn in' your music titles and your multi-media application on a CD-R, you can send us separate storage media for music and computer data at any time. We will then, in accordance with the specification, produce your CD EXTRA in our premastering studios for you.

### 1.2.4. Further specifications for CD EXTRA

#### CD LOGO

As on every CD Audio, the appropriate compact disc logo also has to be shown on the CD EXTRA. Please make sure that the logo for a CD EXTRA

differs from a CD Audio logo. Furthermore, we recommend the display of the CD EXTRA marketing logo. Guidelines for the use of the logos can be found on page 20 in chapter 2.5.

Logo for  
CD EXTRA



CD EXTRA  
Marketing logo



#### LABEL PRINTING AND PACKAGING

For printing and packaging a CD EXTRA label the same specifications are applicable as mentioned below in chapters 2 and 3 of this manual.

Example 1

## Sound & Noise Information

T R #	Title: <i>Sample</i>	Artist: <i>Sample Artist</i>	Catalogue No.: <i>123456789</i>
<b>1</b>	EMP		
	N		
<b>2</b>	EMP		
	N		
<b>3</b>	EMP		
	N		
<b>4</b>	EMP		
	N		
<b>5</b>	EMP		
	N		
<b>6</b>	EMP		
	N		
<b>7</b>	EMP		
	N		
<b>8</b>	EMP		
	N		
<b>9</b>	EMP		
	N		
<b>10</b>	EMP		
	N		
<b>11</b>	EMP		
	N		
<b>12</b>	EMP		
	N		
	EMP		
	N		
REMARKS:			DATE / ENG. SIGN
Orig. MT: ANA / DIG. / MIXED			<i>13. 02. 96</i>
HISS, HUM, FLUTTER:			<i>P. Leitner</i>
ROOM N., PLAY N., VOCAL N.:			

### Abbreviations for possible noise

**AE** Abrupt End, Sudden End

**BE** Bad Edit

**BL** Blow Noise, Wind Noise

**CB** Cut Begin

**CE** Cut End

**CF** Cross Fade

**CL** Click Noise

**CR** Crackle

**DB** Double Begin

**DE** Double End

**DIS** Distortion

**DO** Drop Out

**FI** Fade In

**FL** Flutter

**FO** Fade Out

**HFN** High Frequency Noise

**HISS** e.g. Tape Hiss

**I** Instrument Noise

**LCH** Left Channel

**LFN** Low Frequency Noise

**M** Mouth/Lip Noise

**MIC** Microphone

**MUS** Musician Noise

**N** Noise

**OWT** On Whole Track

**PN** Play Noise

**POP** Pop Noise

**PT** Print Through

**R** Room Noise

**RCH** Right Channel

**SB** Sudden/Abrupt Begin

**SE** Sound Effect

**T** Tick Noise

**V** Vocal Noise



## 2. LABEL PRINTING

The following pages contain important specifications on the CD printing and the film material required.

**Please transmit this information to your graphic artist or designer.**

### 2.1. Printing Processes

Sony DADC uses screen printing processes for printing CDs as well as offset printing processes.

**The following types of print can be processed:**

- line prints with up to 6 colours
- half-tone prints
- duplex and triplex prints
- Four-colour prints  
(picture disc: offset/screen printing)

For particular requirements with respect to printing quality in four-colour print, we offer the High Definition Picture Disc. This is to be recommended particularly with applications including photographs, faces, landscapes or designs which are similar to photographs.

A specific offset process is used which facilitates a resolution that is about double that of the screen print. Furthermore, it is possible to coat these High Definition Picture Discs with a gloss varnish.

### 2.2. Printing Areas

On the following pages the five possible printing areas on a CD label are illustrated (specification A-E).

- **Specifications A, B:** label printing only on the aluminium coated CD part.
- **Specifications C-D:** label printing on the aluminium coated part and on the uncoated interior parts of the CD.
- **Specification E:** only for High Definition Picture Disc

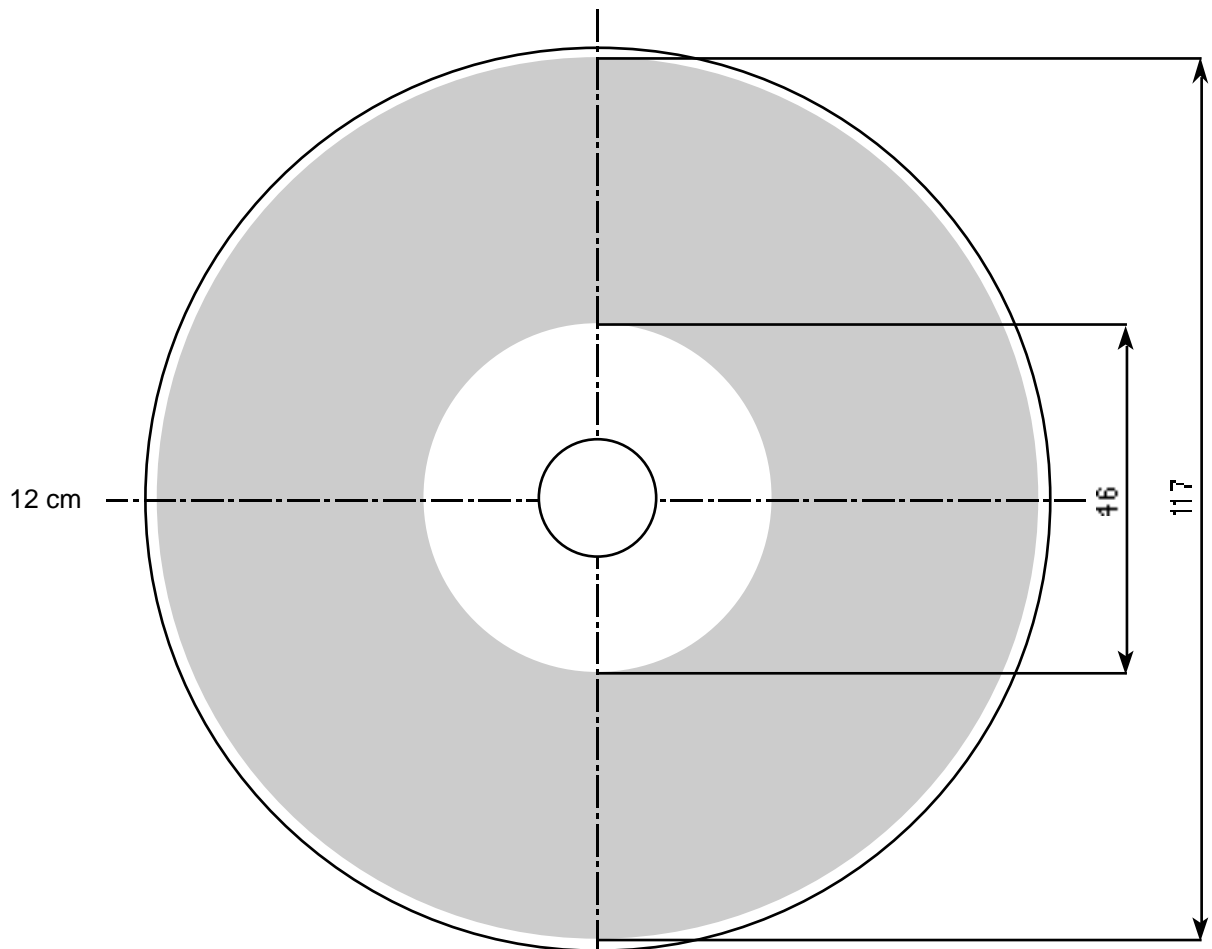
Please mind that there may be colour deviations between the print on the aluminium coated part and the non-aluminium coated interior parts. Therefore, we advise to preprint an entire white base to minimize colour deviations with specifications C, D and E.

### 2.3. Label Film Dimensions

Please ensure that your label film(s) comply with the required specifications A to E (see page 12 to 17). Any necessary label film corrections are charged according to our price list.

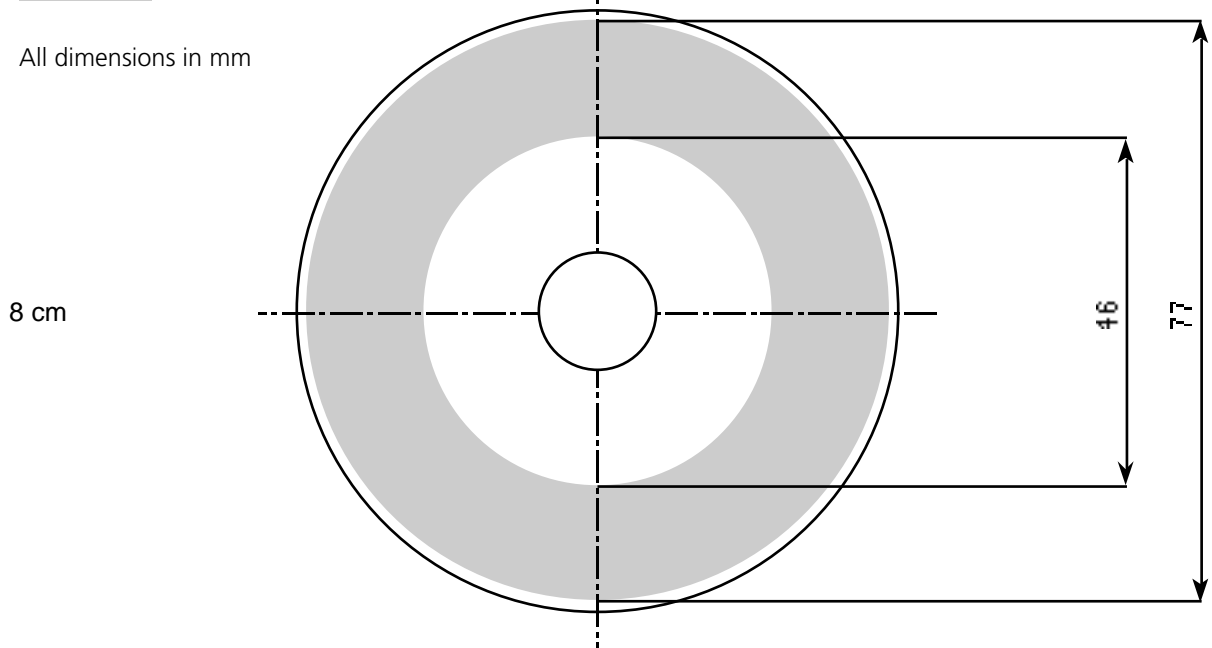
For label films with specification E (only for High Definition Picture Disc) the non-printed inner groove and/or the centre hole of the CD in the film, should be included.

### Specification A

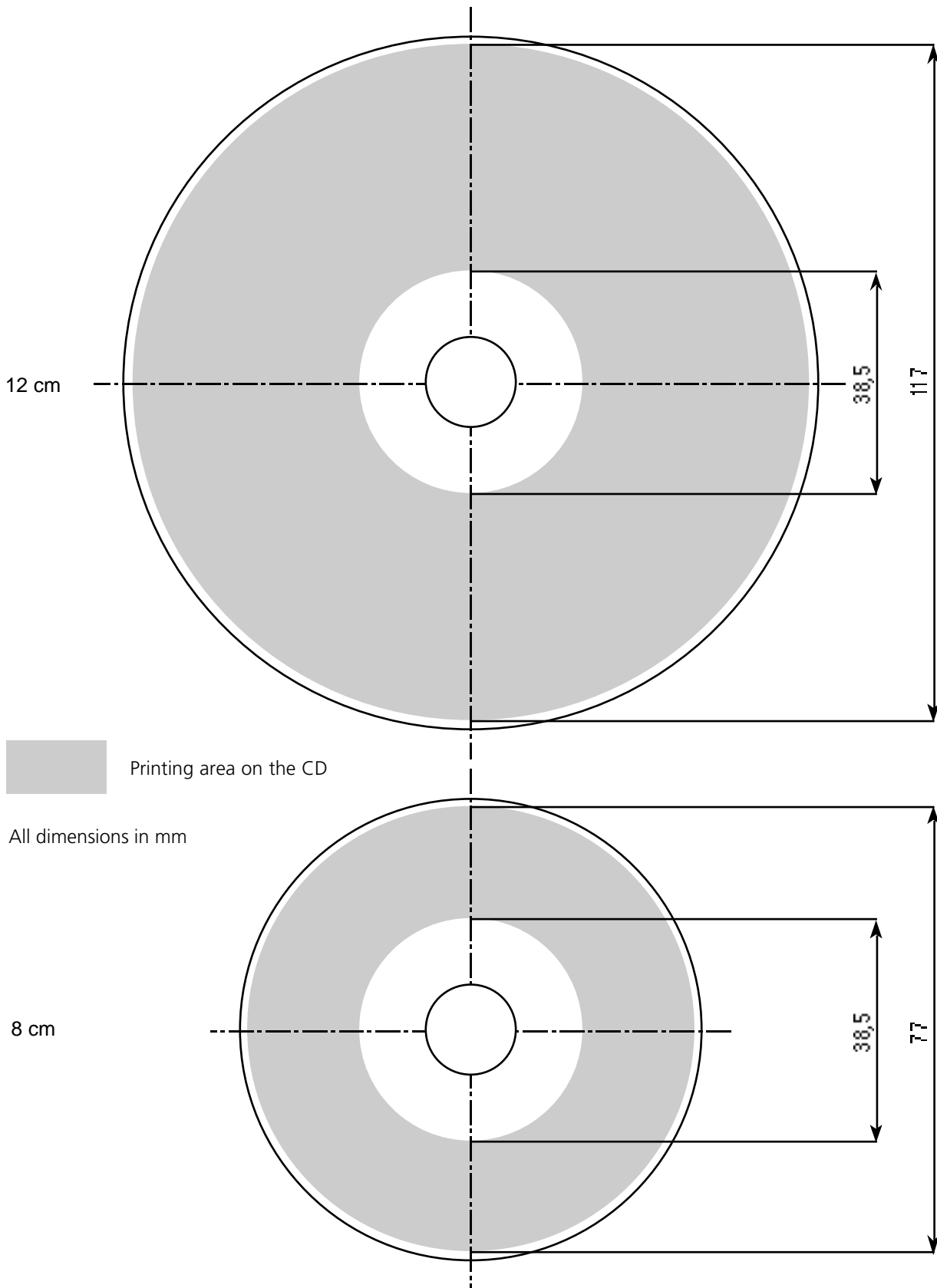


 Printing area on the CD

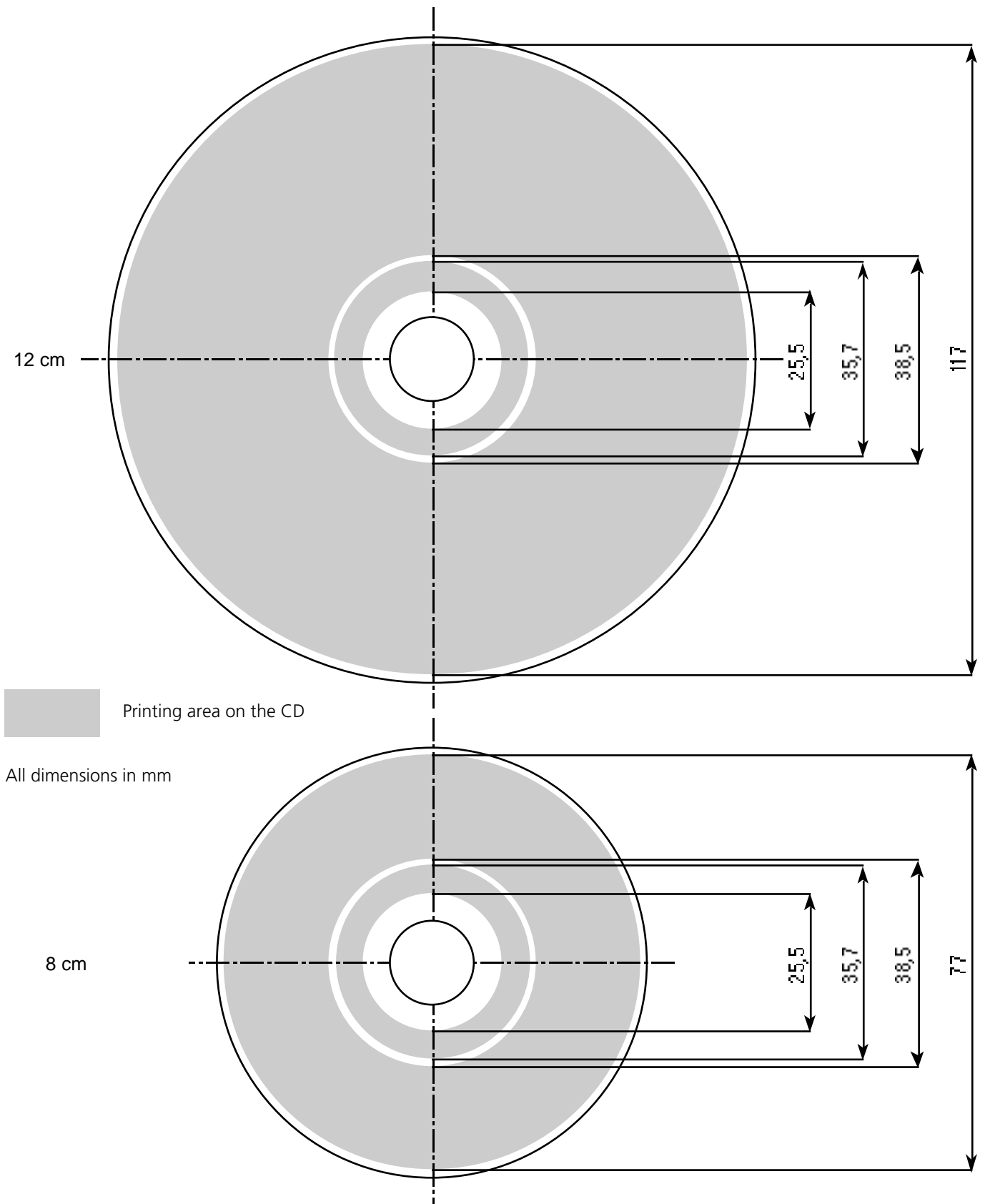
All dimensions in mm



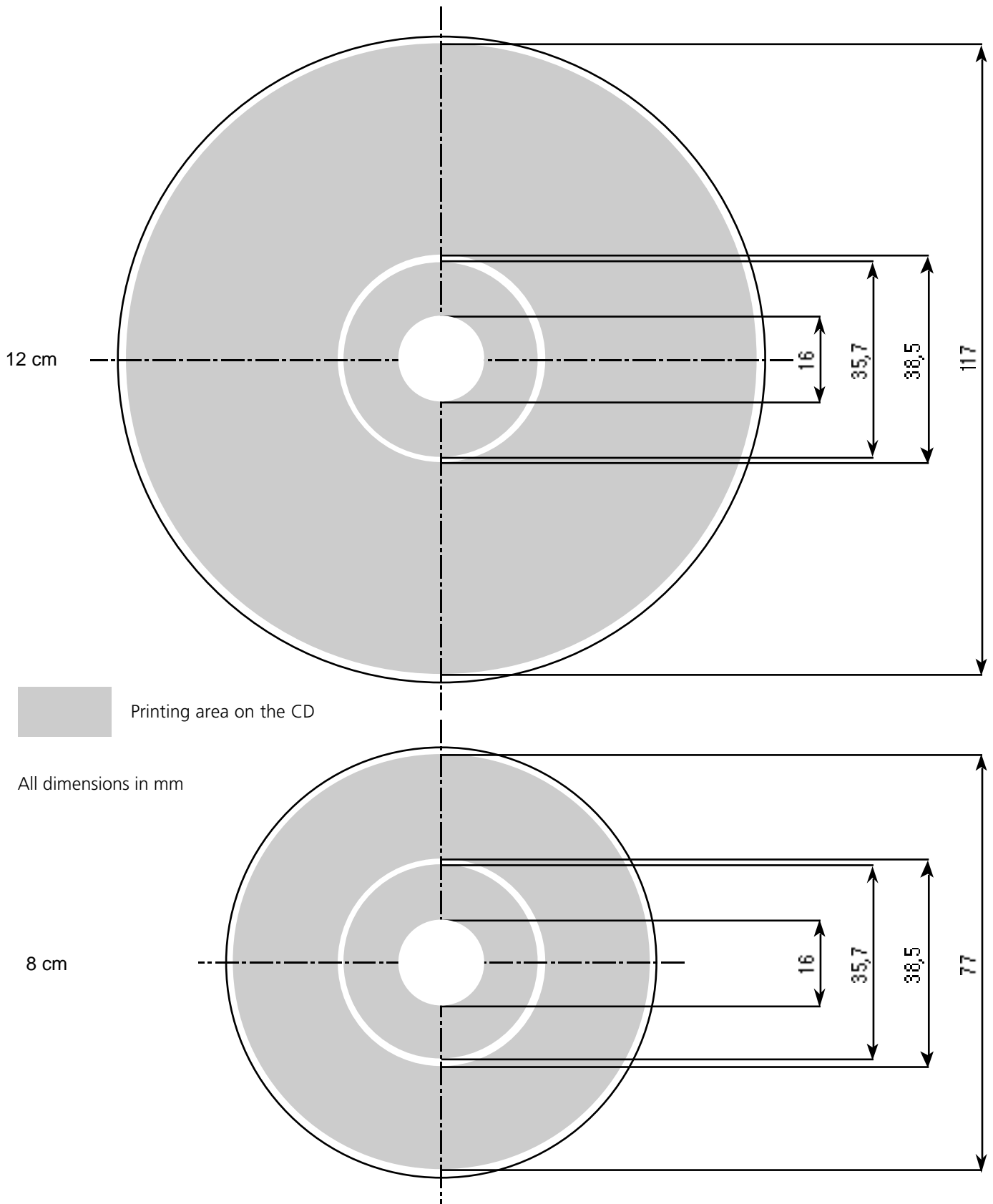
### Specification B



### Specification C

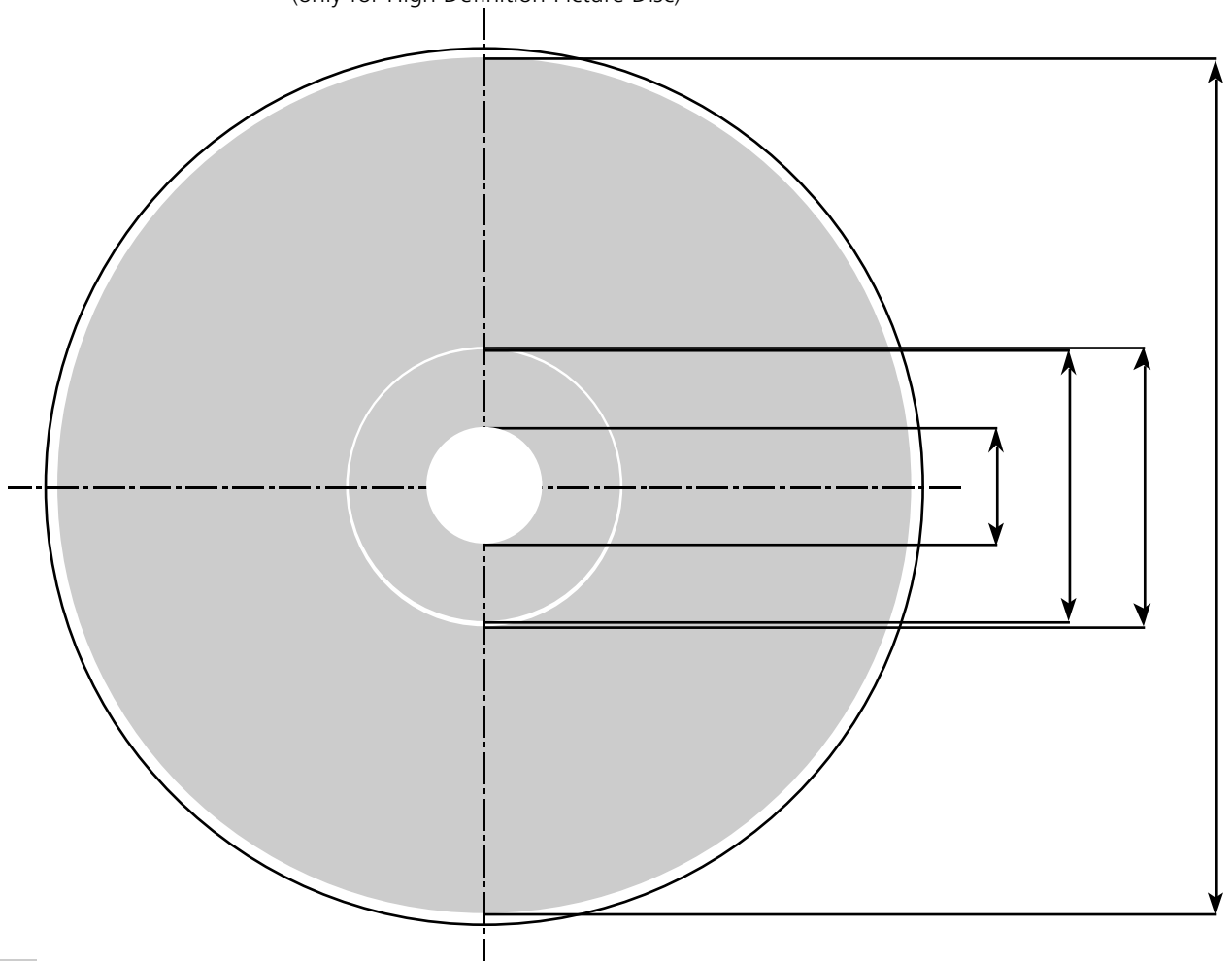


### Specification D



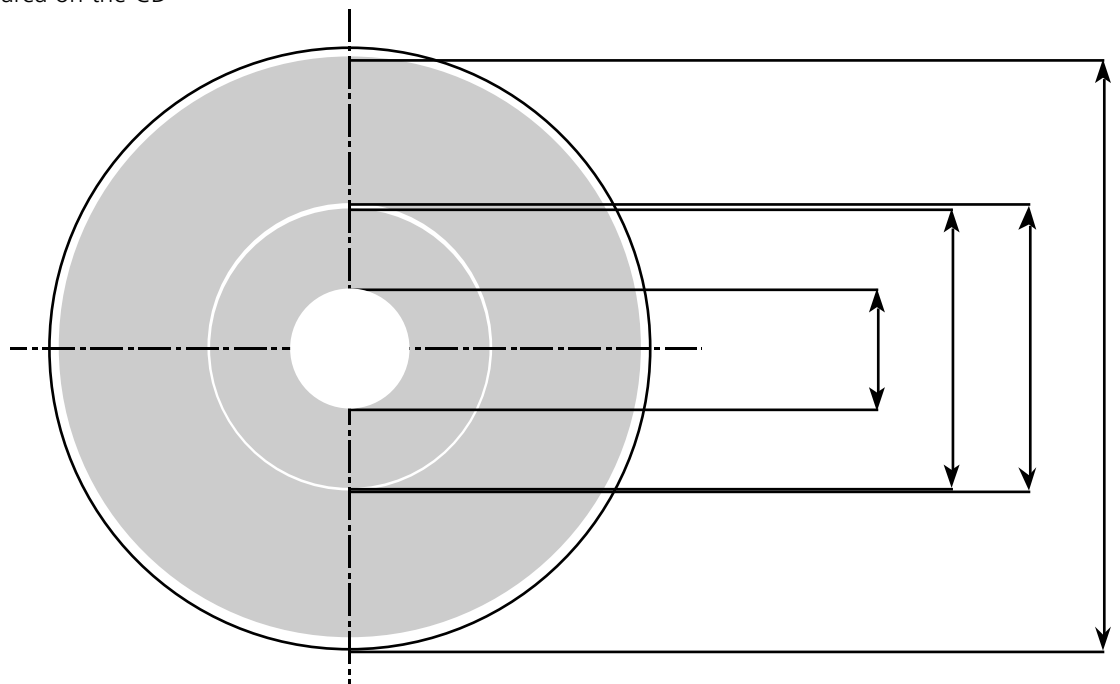
## Specification E/printing area on CD

(only for High Definition Picture Disc)



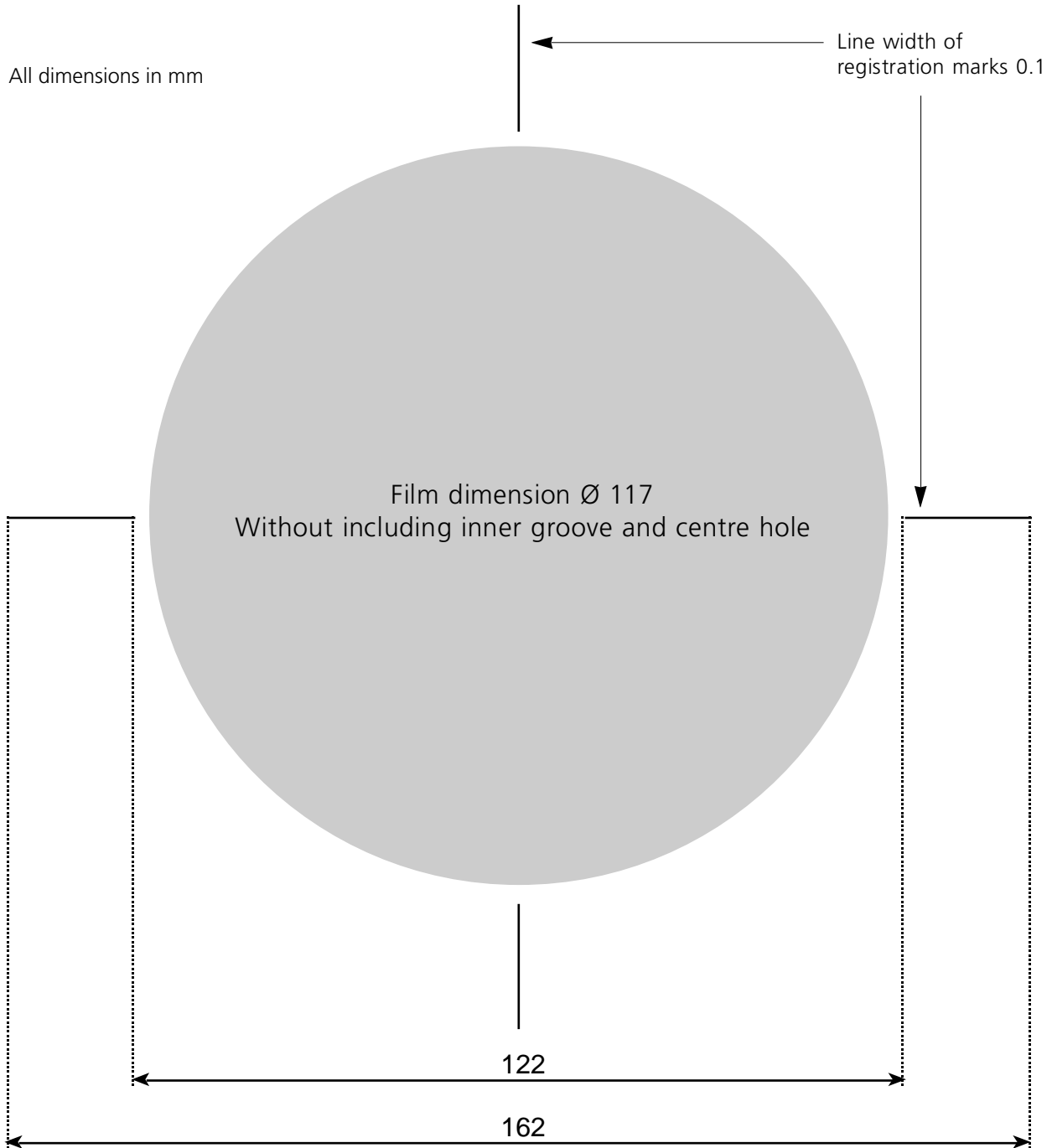
Printing area on the CD

All dimensions in mm



### Label Film for Specification E

(only for 12 cm High Definition Picture Disc)



### Label film for specification E

(only for 8 cm High Definition Picture Disc)

Film  $\varnothing$  77, registration marks similar to 12 cm disc

# Film Specifications

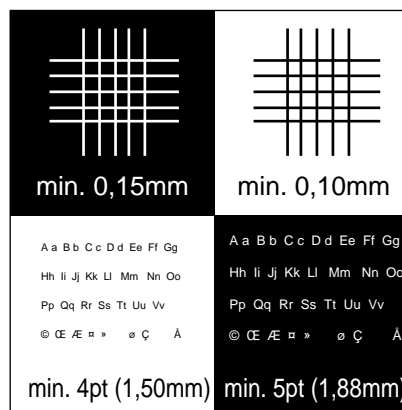
## 2.4. Film Specifications for Label Print

Unless indicated otherwise in one of the special printing processes below, we will need smooth, full-page screen printing films (positive, right side reading, emulsion up).

### Line widths and letter sizes

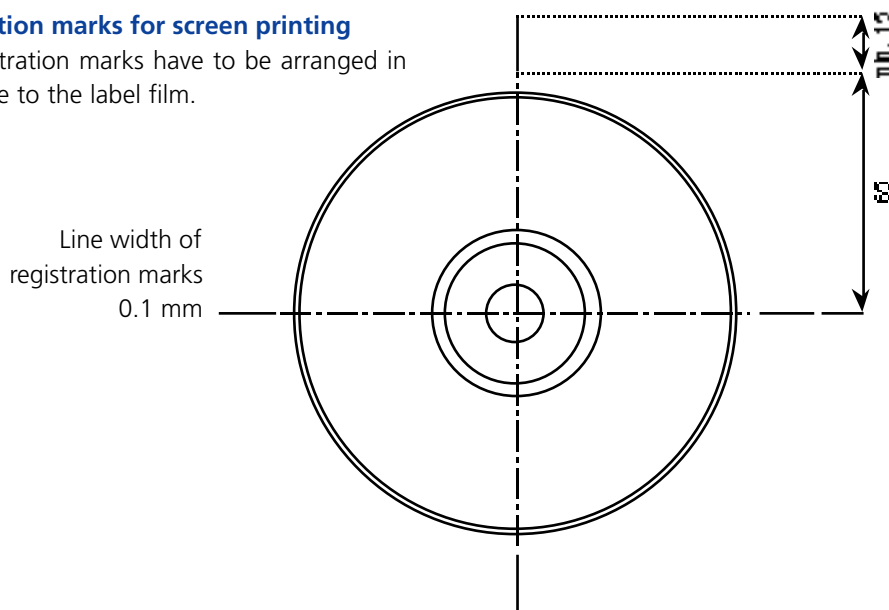
- The line width has to be at least 0.10 mm in positive print.
- The line width has to be at least 0.15 mm in negative print.
- The letter size has to be at least 4 pt. (1.50mm) in positive print.
- The letter size has to be at least 5 pt. (1.88mm) in negative print.

Please mind that with serif type fonts (e.g. Times) and with type faces such as "light" with letter sizes of 4 and/or 5 pt. the minimum line width of 0.10 and 0.15 mm is not achieved and thus an adequately larger letter size has to be selected.



### Registration marks for screen printing

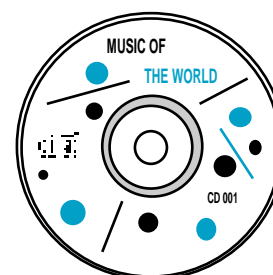
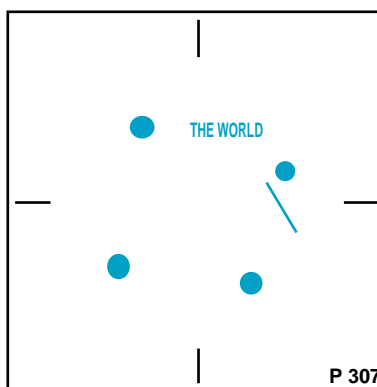
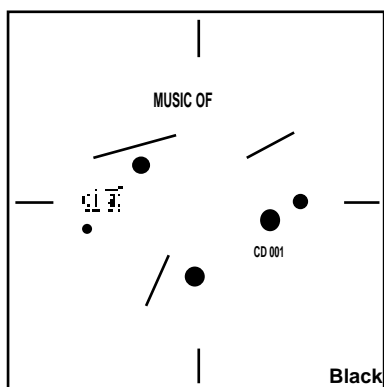
The registration marks have to be arranged in the centre to the label film.



Film 1

Film 2

Printing pattern on the CD



## Density

To be able to process your label films optimally the minimum film density has to be 3.0 in full tone.

### Duplex/triplex print (half-tone print) with Pantone colours

We will need smooth, full-page screen printing films (positive, right side reading, emulsion up) from you prepared as follows:

- Line width 34 l/cm
- Angle code 45°
- Max. density 15 - 85 %
- Elliptic dot shape

For duplex and triplex prints please use the following angle codes: 0°, 15°, 45° or 75°. With other angle codes a „moiré-free“ print is not provided.

### Four-colour print - Picture Disc

We will need smooth, full-page screen printing films (positive, right side reading, emulsion up) from you prepared as follows:

- Line width 54 l/cm
- Angle codes:
  - cyan 75°
  - magenta 45°
  - yellow 0°
  - black 15°
 or angle codes similar to the Hell and Crossfield system.
- Density 15 - 85 %
- Elliptic dot shape

To achieve favourable printing results we need a compulsory colour copy such as Cromalin, Matchprint, Pressmatch or test print.

Please take into account that there may be colour deviations from the original copies due to the different consistency of the base.

### Four-colour print - High Definition Picture Disc

We will need smooth, full-page screen printing films (positive, right side reading, emulsion down) from you prepared as follows:

- Line width 80 l/cm
- Angle codes:
  - cyan 75°
  - magenta 45°
  - yellow 0°
  - black 15°
 or angle codes similar to the Hell and Crossfield system.
- Registration marks to be centered only as shown in diagram page 18/chapter 2.4.

To achieve favourable printing results we need a compulsory colour copy such as Cromalin, Matchprint, Pressmatch or test print.

Please bear in mind that the base of the CD consists of polycarbonate with reflecting aluminium coating and therefore there may be colour differences compared to the artwork (paper/carton).

To provide (as much as possible) conformity of colours of printed matter (artwork) and the CD label print, we advise to preprint a full white base on the CD.

For Picture and/or High Definition Picture Disc printing Sony DADC can prepare four-colour separation/litho production of the label films for you. For materials required please refer to chapter 2.9. on page 23.

## Standard Contents

### 2.5. Standard Contents

#### Catalogue number:

A catalogue number has to be printed on the CD.

#### CD Logo

A Compact Disc logo also has to be shown on each CD in accordance with the Red Book standard. The Compact Disc logo should be seen clearly on the CD. Therefore, it has to be shown in highest possible contrast.

In any case the contrast between the logo and the background colour must not be less than 50 %.

#### "Made in EU"

A designation of origin is not necessary on the CD. However, if such designation is requested, it has to be "Made in EU".

#### Company address, label address

To protect your product against piracy and to clearly state the holder of the rights, we ask you to indicate the company name and address on the label film or on the artwork.

The CD logo in accordance with the Red Book standard:



admissible



not admissible

admissible:



not admissible:



*Deviations from the standardized Compact Disc logo are not permitted. Each of the four words has to be used in the same type font and type distance to each other. The CD logo must not be distorted, squeezed, decomposed, framed or composed of parts with different colours.*

## 2.6. Colours

Sony DADC uses the Pantone Matching System (PMS).

Please mark each label film with the Pantone colour number requested by you. Please select your colour from the Pantone Colour Selector 1000, except for double impression (2x) colours.

When using Pantone colours 801 to 814, preprinting should be carried out with white colour in order to achieve the luminescent effect similar to the Pantone Colour Selector 1000.

When producing your films please mind that a base of polycarbonate with reflecting aluminium coating is printed and therefore there may be colour deviations compared to printing on paper.

To provide (as much as possible) a compliance of the colours of artwork (e.g. booklets) with the CD label printing, we advise to preprint a full white base on the CD.

## 2.7. Label Film Data on Electronic Storage Media

Sony DADC have a DTP (Desktop Publishing) Studio with the following standard equipment:

### HARDWARE

- Apple Power PC 8100, Apple Quadra 950
- Laser imager AGFA AccuSet 1000 with RIP Star 400 (resolutions up to 3000 dpi)
- Laser imager AGFA Avantra 25 with Viper Software RIP (resolutions up to 3000 dpi)
- 3M Desktop Colour Proofing System
- Drum scanner "Chromagraph S3300" (resolution up to 14000 dpi)

### SOFTWARE

- Quark X-Press
- Adobe Photoshop
- Aldus Freehand
- Aldus Pagemaker
- Adobe Illustrator
- Corel Draw (DOS)

### Apple Macintosh Data

If your label films are produced on an Apple Macintosh system you may transmit your designs to us on electronic storage media for film burn-out.

### DOS Data (Corel Draw)

If you have edited your designs under DOS, please send us a placeable EPS file in which the text is converted into curves and the image identification set is switched on.

If you have used Corel Draw please send us the CDR file.

### Other hardware and software

If you operate another software or hardware format please contact our graphics studio (tel. +43/62 46/880-448)

### The following storage media can be accepted:

- 3.5" floppy disk in Mac or DOS format
- 44/88/200 MB cartridge (5.25") in Mac format
- 270 MB cartridge (3.5") in Mac format
- MO disk 230 MB (3.5") in Mac format

### Please do not forget:

- Laser print-out: Attach a print-out of a laser printer to your documents.
- Fonts: Indicate manufacturer and all display settings, if necessary enclose screen and printer fonts.
- TIFF and EPS files: All graphic files (logos, company logos etc.) have to be supplied in all cases.
- Changes: Beware of the major resolution of the laser imager with fine lines, outlines and half tones. In general these become thinner.
- Marking: Your floppy or cartridge should be marked to provide clear identification.
- Liability: We do not assume liability for incomplete or defective files. Only submit copies you have checked and stored carefully.

### DTP-SERVICE DISC

Upon request we will provide a 3.5" disc with all CD logos and the copies of all label film specifications and artwork specifications used by us as Tiff or EPS and/or QuarkXPress files, respectively. Please contact our Customer Service department in this respect.

### 2.8. Label Film Data via Electronic Data Transfer

You also have the possibility to send us your data (label film and artwork) via ISDN or Internet for exposure. If you want to transmit data in such a way we ask you to inform Customer Service.

#### ISDN DATA TRANSFER

Please note the following:

#### Our ISDN numbers are:

4-Sight: **+43/6246/73692**

Leonardo: **+43/6246/72593**

#### Hardware requirements:

All ISDN adapters, preferably the current ISDN boards:

- Leonardo
- Planet
- 4-Sight

#### Software requirements:

- 4-Sight Manager Version 3.0 or
- 4-Sight Broadcast
- Leonardo Pro

#### Data preparation:

Our server is ready to receive on workdays from 8 a.m. to 10 p.m. (exceptions by prior agreement). Prior to the data transfer please inform our graphic studio (Tel.: +43/6246/880-448) in order to ensure sufficient storage space. With ISDN a laser print-out is not supplied compared to data delivery on storage media. Therefore such a laser print-out must be faxed to our graphic studio (Fax +43/6246/880-392).

#### Data compression:

All compression algorithms available for Apple Macintosh (e.g. Stuffit, ".sit", Self Extracting Archives for MAC ".sea", Disk-Doubler, ZIP, etc.) can be used. Files edited under DOS/Windows can be compressed using PkZip or WinZip.

#### Data delivery:

Place all files (copy, fonts, Tiff/EPS, info file) in a directory and mark it with your name and the date (if necessary, abbreviations such as "Release 15.8.95").

Enclose a text document to the files containing the following data:

- With label films: number of colours used (4C or Pantone).
- With inlay card films: indication of front and rear side.
- With other artwork films: all data required for printing (e.g. 8-page digipack).
- Fonts and Tiff/EPS files used.
- Contact address for technical inquiries (graphic studio tel./fax)
- Name of Customer Contact at Sony DADC
- Order Information associated with the Catalogue Number.

#### INTERNET DATA TRANSFER

Data transfer via Internet is only suited for "emergencies" such as sending missing components including fonts, logos, Tiff or EPS files due to the high transmission time of 100 KB per minute.

#### Our Internet address is:

**Graphicstudio@dadc.co.at**

Please inform the Sony DADC Graphic Studio prior to transmission (Tel.: +43/6246/880-448).

#### Data compression:

All compression algorithms available for Apple Macintosh (e.g. Stuffit, ".sit", Self Extracting Archives for MAC ".sea", Disk-Doubler, ZIP, etc.) can be used. Files edited under DOS/Windows can be compressed using PkZip or WinZip.

#### Data delivery:

Send us an e-mail with the following information:

- Contact address for technical inquiries (graphic studio tel./fax)
- Name of Customers Contact at Sony DADC
- Order Information associated with the Catalogue Number.

### 2.9. Production of the Label Film

We offer the production of finished artwork and of label film by our graphic studio.

To be able to do this we will need a layout or a sketch of your desired design with all information required (title, track name, position of Compact Disc logo, etc.). After label film production you will receive from us a fax copy for production release or for modifications to be carried out. We are also able to carry out the production of the colour separations required (lithos) for four-colour printing (Picture Disc or High Definition Picture Disc). Please contact Customer Service department in regards of film production prices.

***To be able to do this we will need the following:***

- Slides, photos, drawings
- Layout (for positioning of texts, logos, graphics, etc.)
- Colour information (in cyan%, magenta%, yellow% and black%)
- Indication of print specifications (specification A, B, C, D or E)
- Indication of printing process (screen printing or offset printing)

Please note that 2 to 3 days are needed for the production of label films.

## 3. PACKAGING

We accept orders for text inserts and similar artwork from our Customers. In such cases we request that your studio provides documents according to chapter 3.2., with chapter 3.3. being valid for the artwork carried out by us.

Sony DADC can also process text inserts and similar artwork provided by you. In such cases please ensure that these comply with chapters 3.3. to 3.5.

### 3.1. Printing Process

Generally, the artwork is manufactured by qualified printers in four-colour offset print and the use of additional special colours and varnishing is possible.

### 3.2. Film Specifications for the Production of Artwork and Stickers

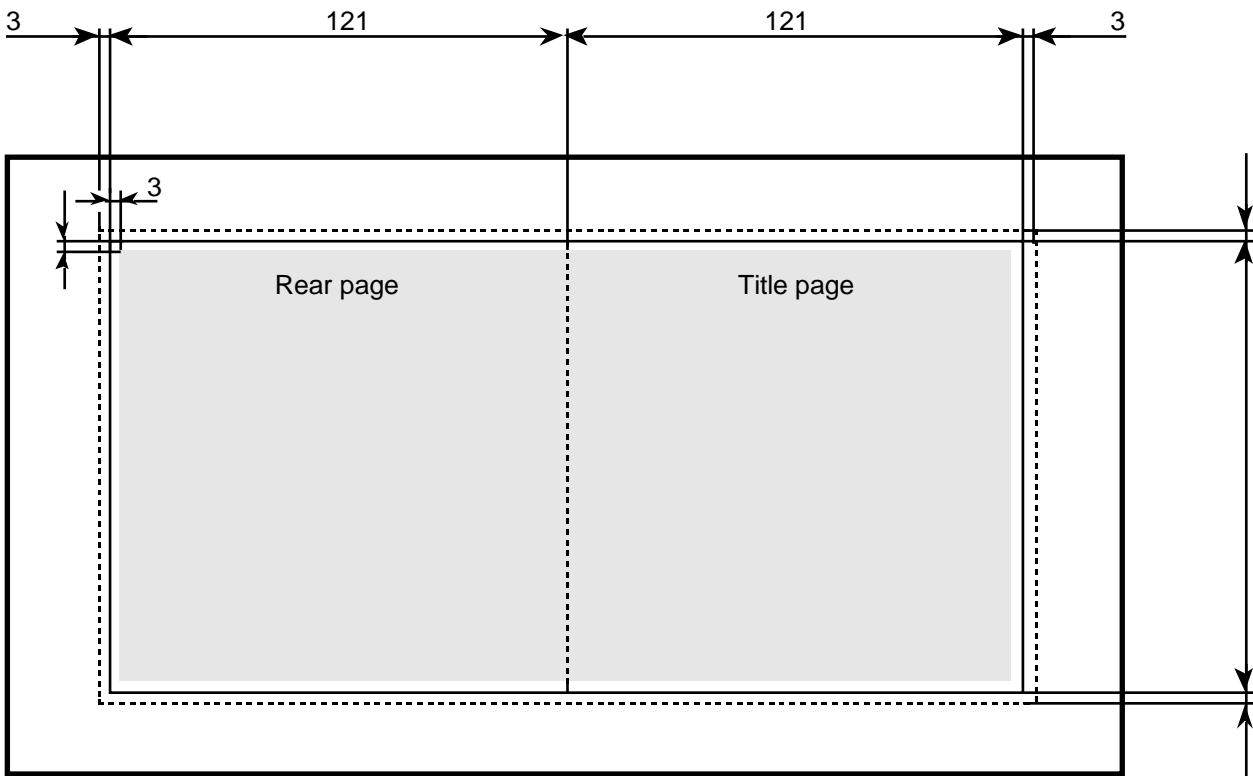
When supplying litho films for artwork and/or carton sleeves or stickers, please bear in mind the following:

- Send only smooth offset films (positive, right reading, emulsion side down)
- **Optimum screening for artwork films: 70 l/cm**
- **All artwork must have a catalogue number.**
- Page number on all films.
- Please do not indicate origin details except for "Made in EU". Other data with regard to origin are not admissible and will be removed.
- Please mark each film with the respective colour.

- Please arrange films in such a way that the booklet is closed at the left. With special products such as leporello, posters, etc. please enclose a folding sample.
- Films must have a bleed of 3 mm. The cutting marks are arranged outside of the bleed.
- To avoid mismatches, please supply a compulsory match print with all films. However, please note that there may still be slight colour deviations between proof and artwork.
- The films should not be damaged and must be packed in a roll container or carton to prevent folding.
- If you request a colour match between artwork and CD label print, special colours have to be specified in the same colour system.
- To protect your product against piracy and to clearly identify the holder of the rights, we ask you to indicate the name and address of the music company on the label film or on the artwork.
- When producing your films please mind that colour differences between the artwork and the CDs may occur, since with the latter a base of polycarbonate with reflecting aluminium coating is printed on and therefore colour differences compared to printing on paper may result.
- To provide (as much as possible) a compliance of the colours of artwork (e.g. booklet) with the CD label print, we advise to pre-print a full white base on the CD.

***Non-compliance with the specifications and any additional expenses caused shall be charged separately.***

## Film Specifications: *Booklet for Jewel Case*



Explanation:

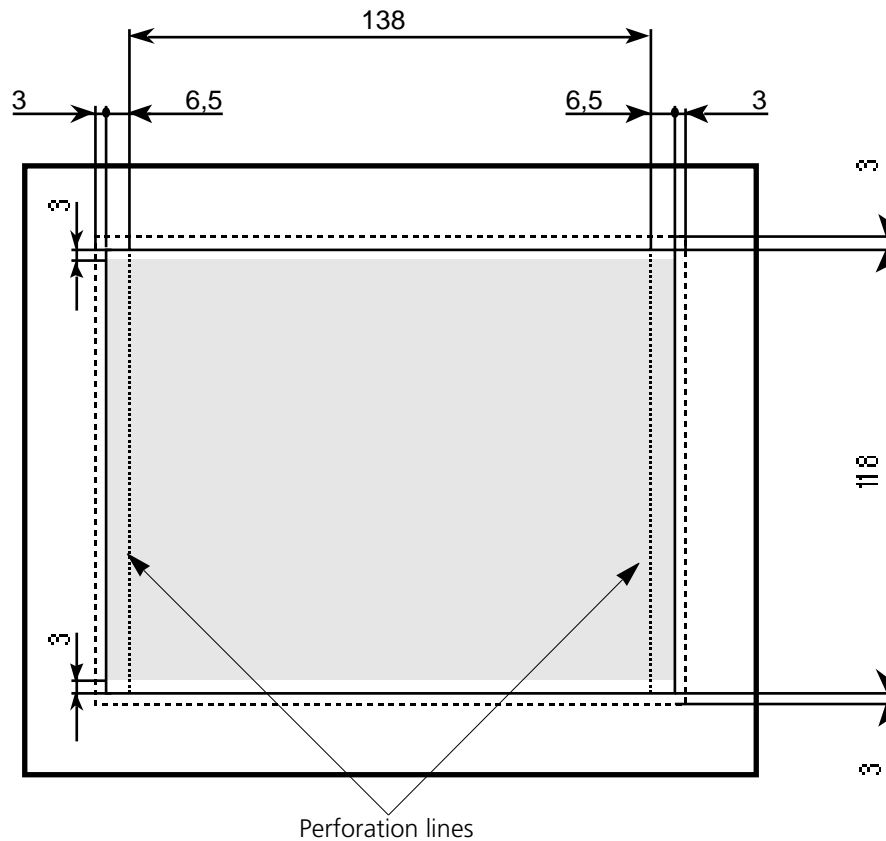
Scale 1:2  
All dimensions in mm

- Area to be printed with text
- Final dimension
- Bleed
- Minimum of blank film dimension  
(at least 20 mm distance to final dimension)

All films (except for cover page) must have page numbers.  
Without page numbers, Sony DADC will not assume responsibility for correct assembly.





# Film Specifications - Inlay Card

Film Specifications: **Inlay Card** (also backliner, inlay card with perforations at the back)

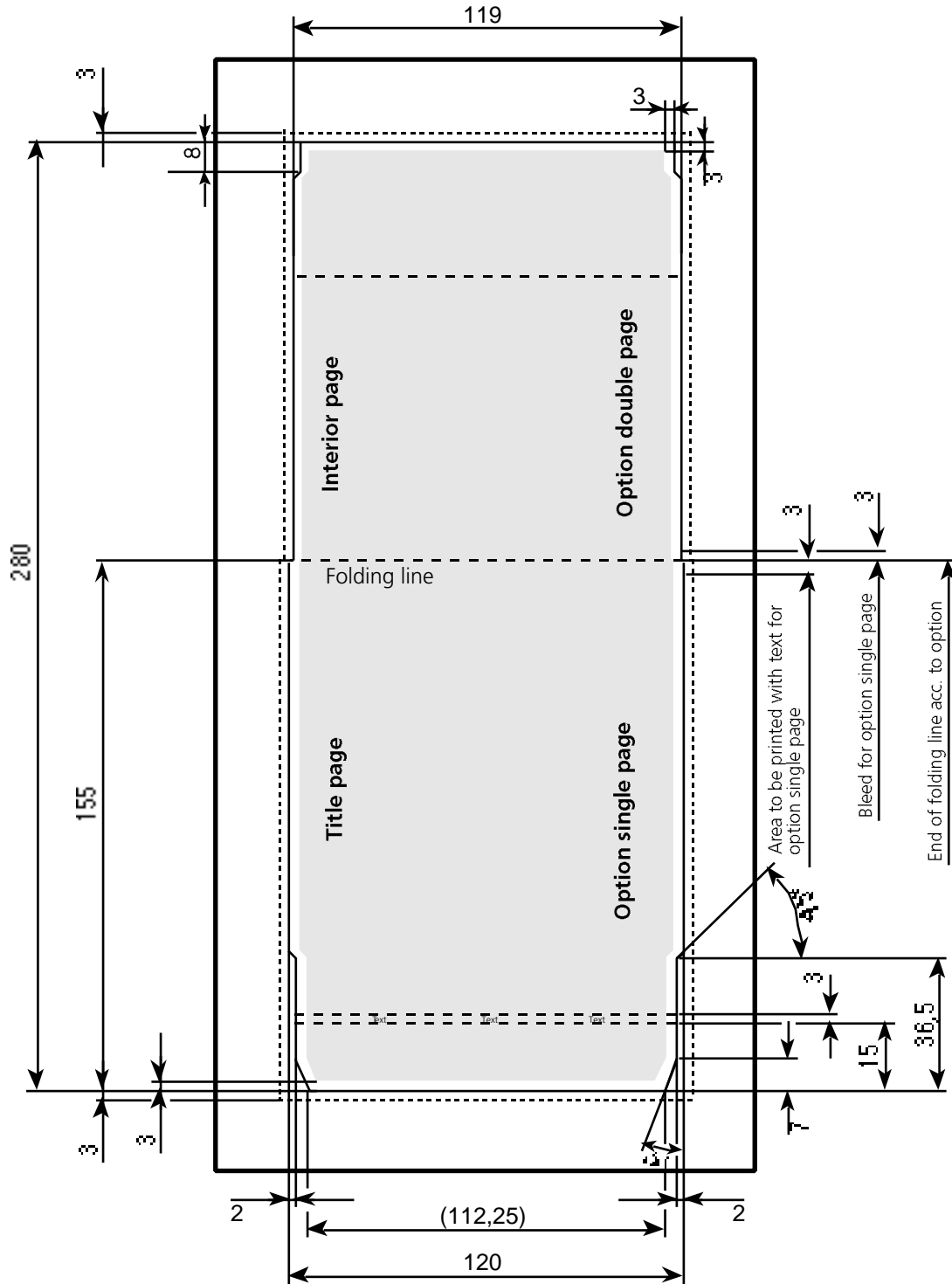


Explanation:

Scale 1:2  
All dimensions in mm

-  Area to be printed with text
-  Final dimension
-  Bleed
-  Minimum of blank film dimension  
(at least 20 mm distance to final dimension)

Film specifications: *Title card for 2-piece thin Jewel Box (also Slim Jewel Case/2 Piece Box)*



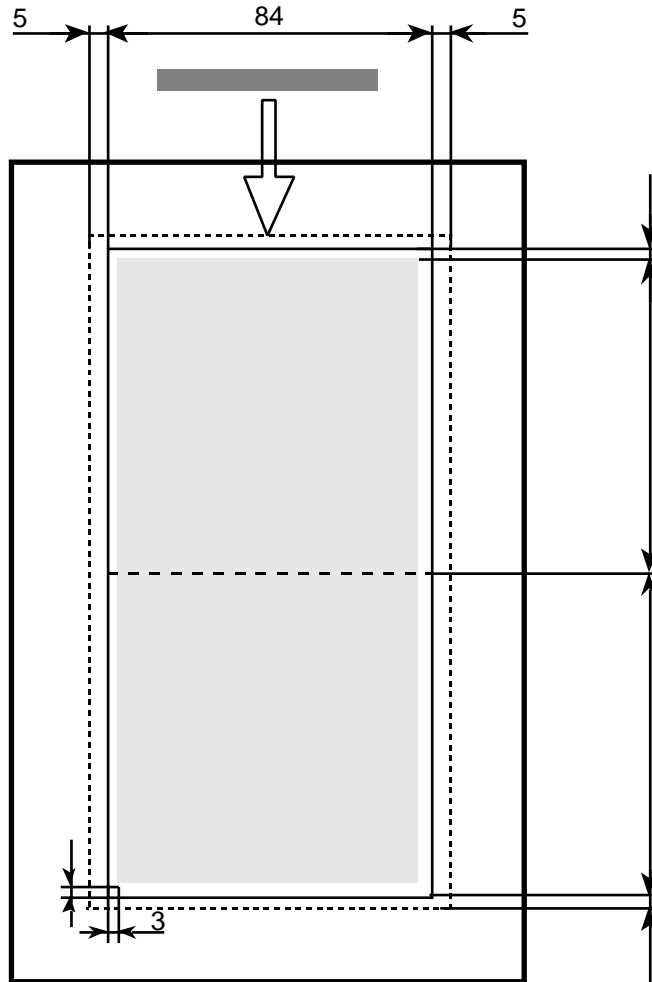
Explanation:

Scale 1:2  
All dimensions in mm

- Area to be printed with text
- Final dimension
- Bleed
- Minimum of blank film dimension  
(at least 20 mm distance to final dimension)





# Film Specifications - 8 cm CD Carton Sleeve

## Film Specifications: 8 cm CD Carton Sleeve



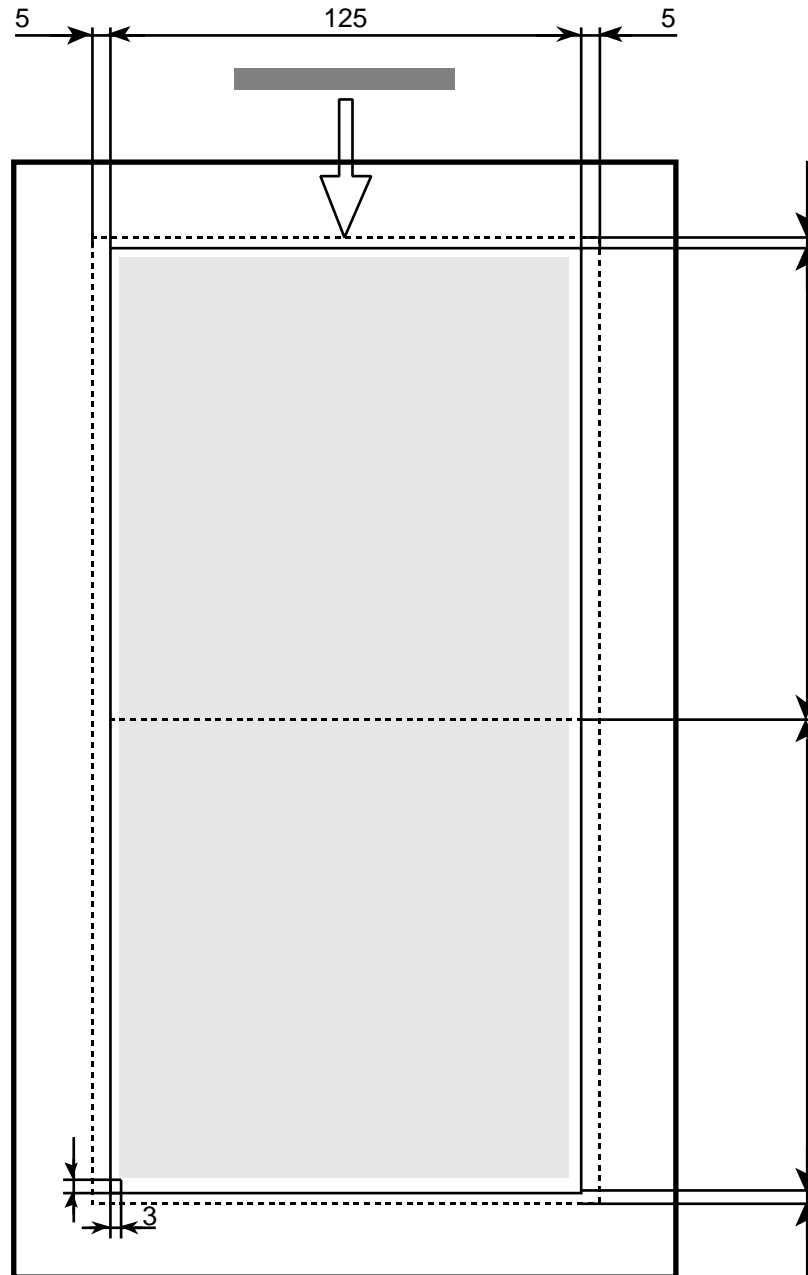
Explanation:

Scale 1:2  
All dimensions in mm

-  Area to be printed with text
-  Final dimension
-  Bleed
-  Minimum of blank film dimension  
(at least 20 mm distance to final dimension)


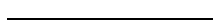
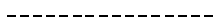

# Film Specifications - 12 cm CD Carton Sleeve

## Film Specifications: 12 cm CD Carton Sleeve



Explanation:

Scale 1:2  
All dimensions in mm

-  Area to be printed with text
-  Final dimension
-  Bleed
-  Minimum of blank film dimension  
(at least 20 mm distance to final dimension)

## 3.3. Specifications for Artwork and Stickers

When supplying ready-made artwork we ask you to comply with the following specifications:

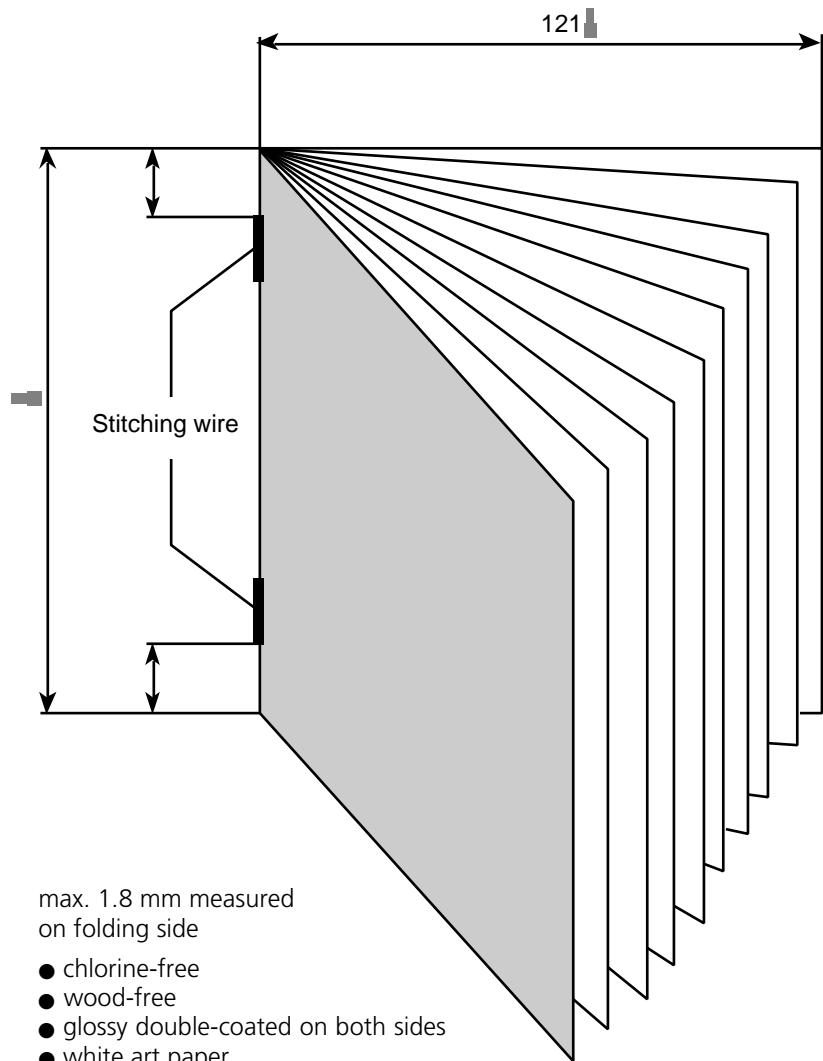
### Booklet

Validity for machine processing of the following standard packagings:

- Jewel Case
- Multiset of 2-7 CDs
- Brilliant Box

Cover sheet (mm)*	Interior Sheet (mm)*	Number of <b>interior</b> pages to be printed	Number of <b>cover sheet</b> pages to be printed	Maximum number of pages to be <b>printed</b>
0,15	0,08	36	4	40
0,15	0,07	40	4	44
0,15	0,06	48	4	52
0,15	0,05	56	4	60

\*Paper thickness



All dimensions in mm

Thickness:

max. 1.8 mm measured on folding side

Paper:

- chlorine-free
- wood-free
- glossy double-coated on both sides
- white art paper

Cover page:

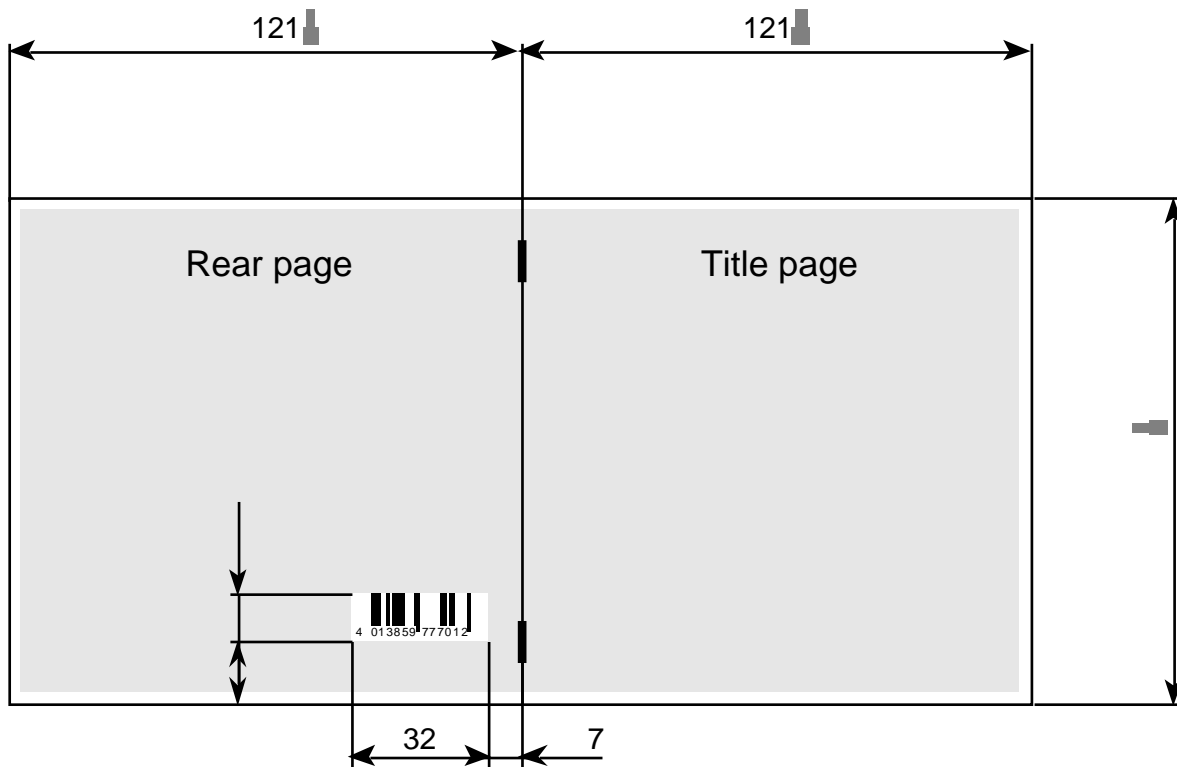
- min. 160 g/m<sup>2</sup> - 180 g/m<sup>2</sup>

Condition at time of supply:

- upright in sleeve (see fig. page 40)

## Position specifications for barcode (booklet)

- **Barcode types:** UPC/EAN128, Code 39, CODABAR, 2/5 Industrial
- **Position:** back, right, horizontal (see drawing)
- **Barcode height:** min. 11 mm



All dimensions in mm

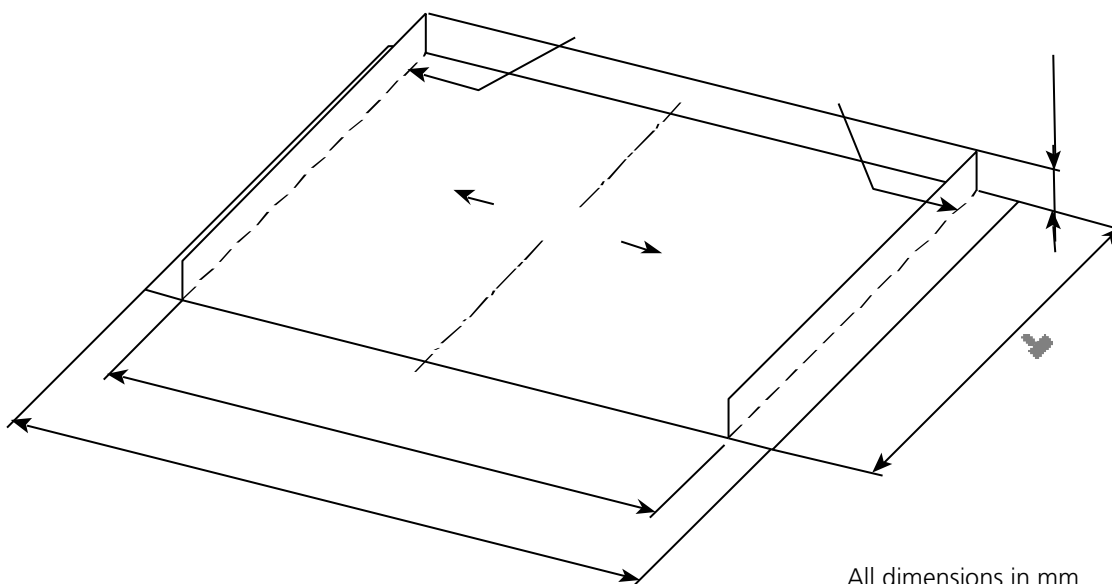
## Specifications for Artwork

### Inlay Cards

Validity for machine processing of the following standard packagings:

- Jewel Case
- Multisets of 2-7 CDs
- Brilliant Box

Measuring condition: flat



- Paper:
- chlorine-free
  - wood-free
  - glossy double-coated on both sides
  - white art paper

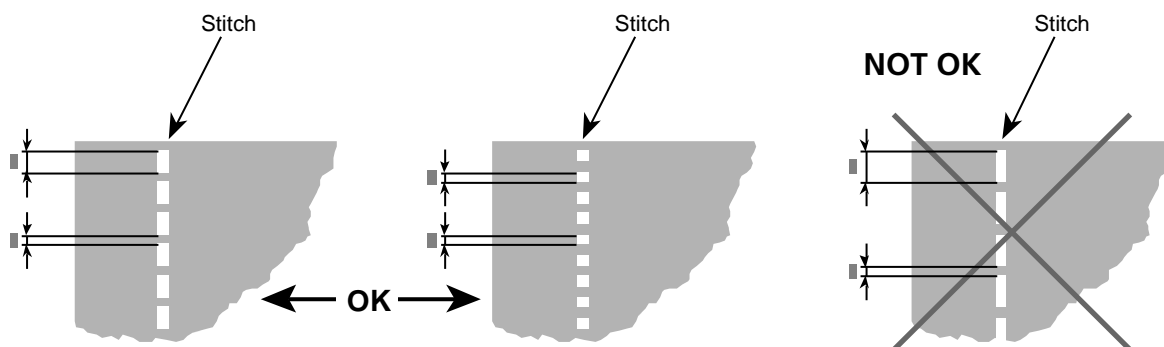
Cover page: ● 160 g/m<sup>2</sup> - 180 g/m<sup>2</sup>

Condition at time of supply: upright in sleeve (see fig. page 40)

Note: With inlay cards printed on both sides, the externally visible side has to be defined (please mark on the films outside of the area to be printed).

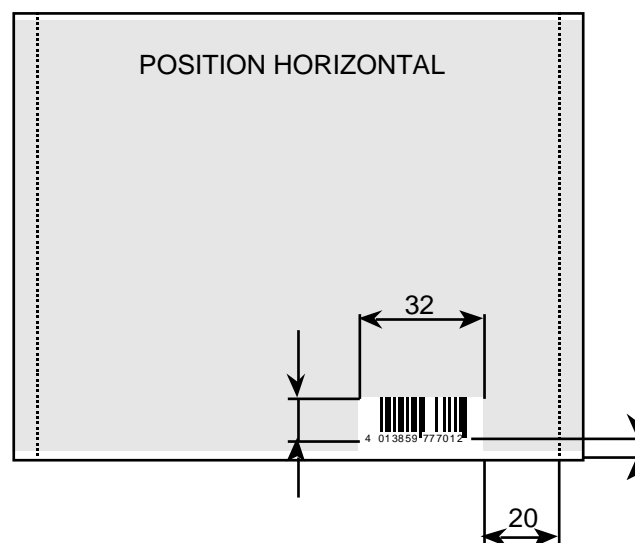
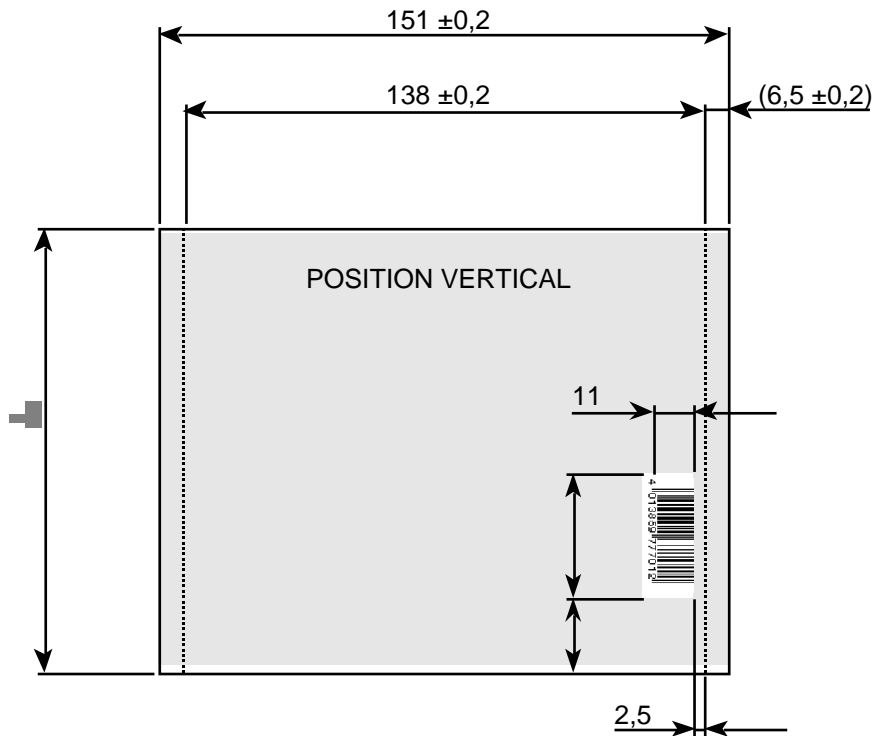
### Processing specification:

The perforation stitches have to be in a ratio of 2:4 and can be tolerated in direction 1:1 (see drawing).



## Position Specifications for Barcode (Inlay Card):

- **Barcode types:** UPC/EAN 128, Code 39, CODABAR, 2/5 Industrial
- **Position:** right, vertical (see drawing)
- **Alternative:** right, horizontal (see drawing)
- **Barcode height:** min. 11 mm



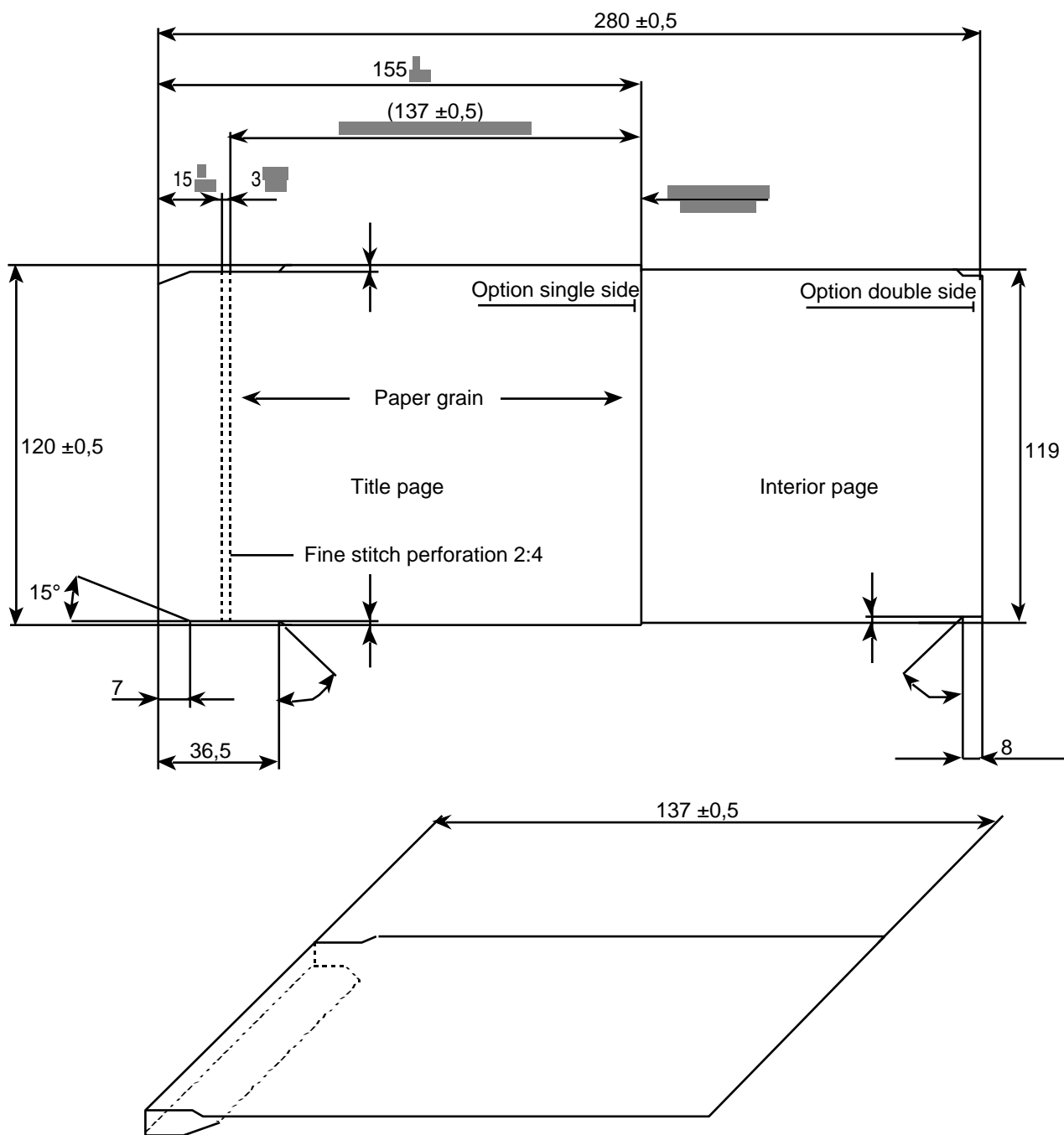
All dimensions in mm

# Specifications for Artwork



## 2-Piece Box Title Card

Validity for machine processing of standard packaging: ● 2-Piece Box.



All dimensions in mm

Paper:

- chlorine-free
- wood-free
- glossy double-coated on both sides
- white art paper

Cover page:

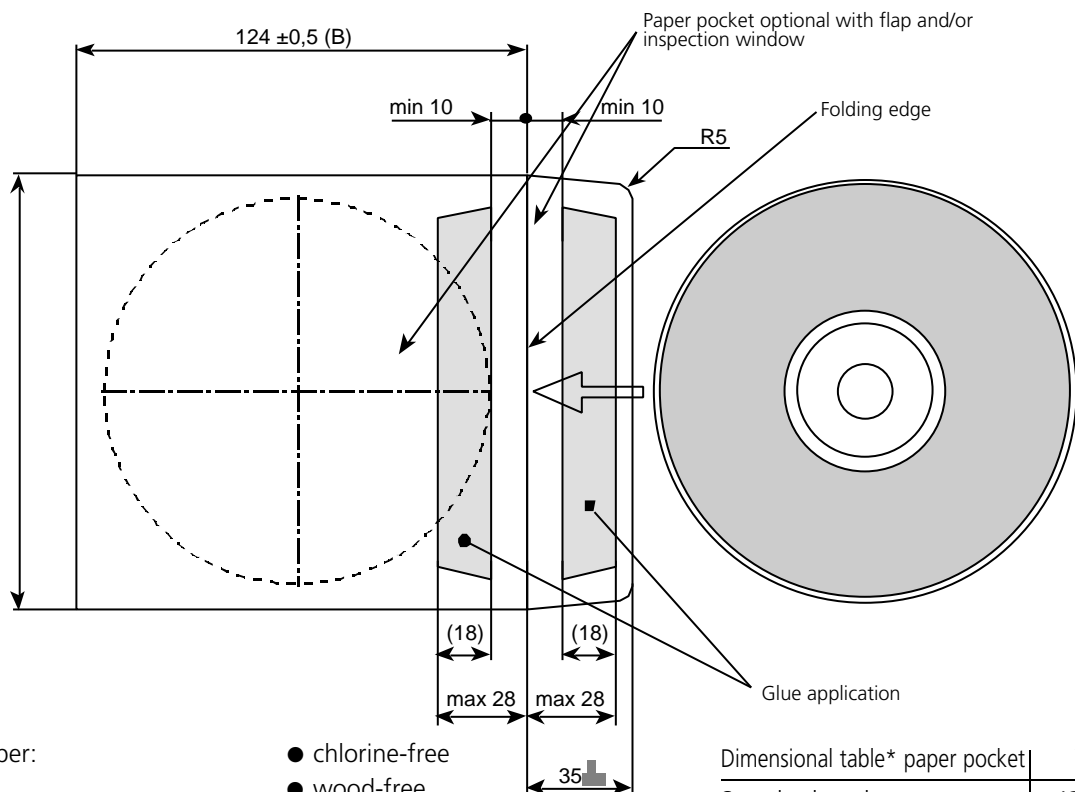
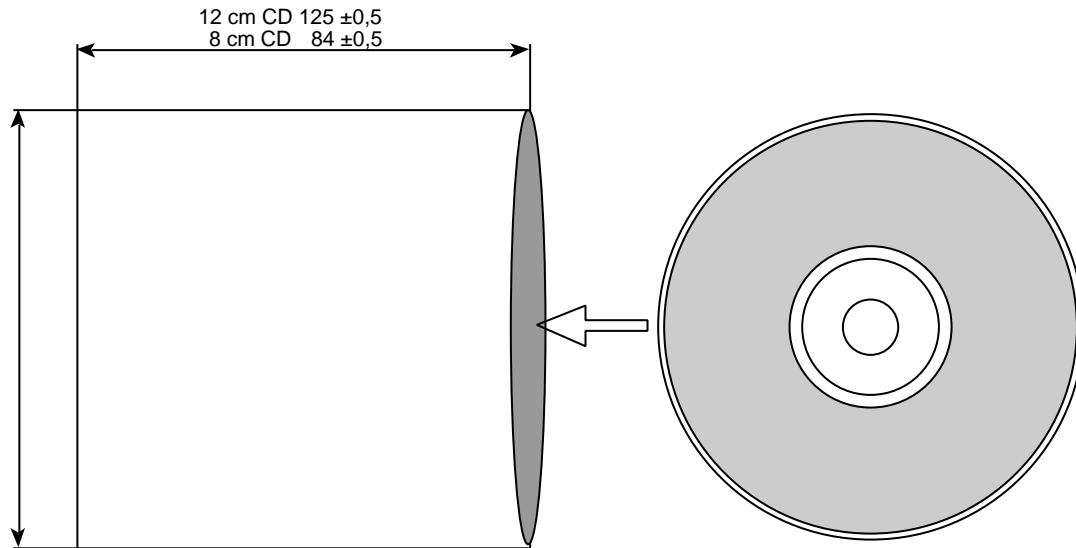
- $160 \text{ g/m}^2 - 180 \text{ g/m}^2$

Condition at time of supply:

- upright in carton (see fig. page 40)

## 12 cm and 8 cm Carton Sleeves and/or 12 cm Paper Pocket

(in various models, available printed and non-printed, formats see dimensional table)



Paper:

- chlorine-free

- wood-free

Carton sleeve:

- art paper (carton)

- single coated: ~ 280 g/m<sup>2</sup> and thickness of approx. 0.40 mm
- or double coated: ~ 285 g/m<sup>2</sup>

Paper sleeve:

- offset paper

- 90 g/m<sup>2</sup> or 150g/m<sup>2</sup>

Condition at time of supply: ● upright in carton (see fig. page 40)

Dimensional table\* paper pocket

	W	H
Standard pocket	124 ±0,5	124 ±0,5
Pocket with booklet	132 <sup>+1</sup> <sub>0</sub>	132 <sup>+1</sup> <sub>0</sub>
Special format	145 <sup>+1</sup> <sub>0</sub>	190 <sup>+1</sup> <sub>0</sub>

\* For insertion in thermal plastic binding machines

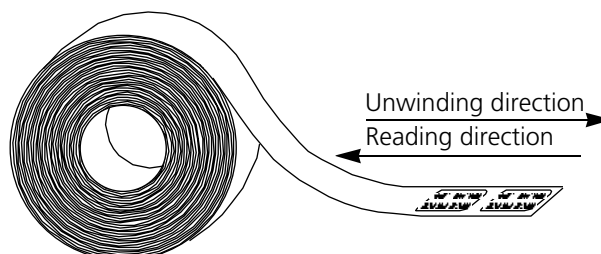
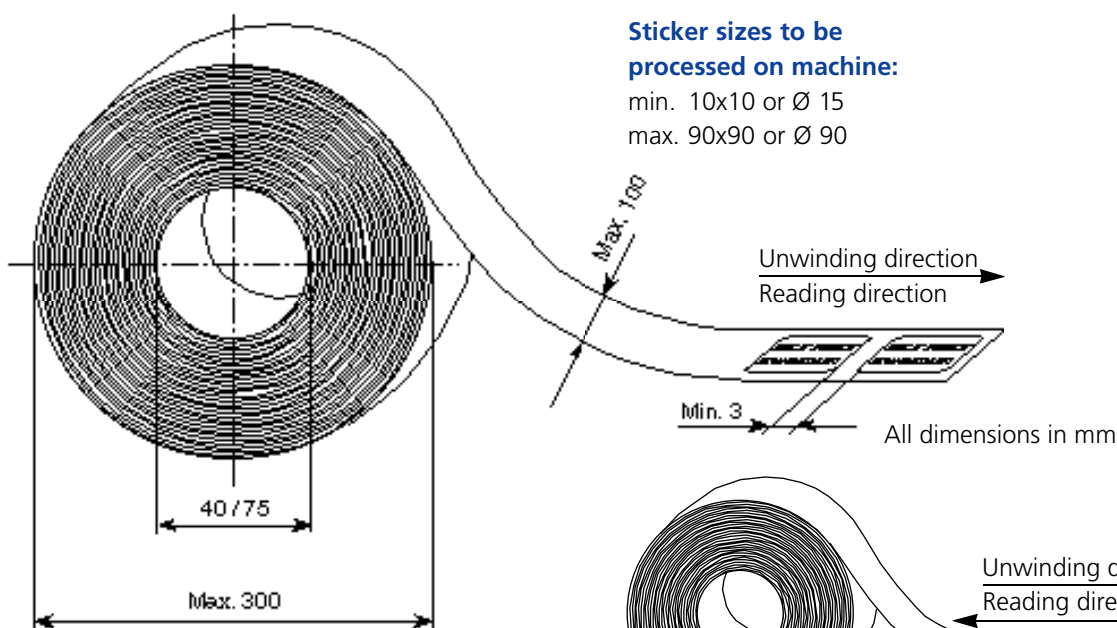
## Specifications for Artwork and Stickers

### Stickers

Stickers are processed as self-adhesive labels supplied on rolls.

- Possible core diameter: 40 or 75 mm
- Max. possible roll diameter: 300 mm
- Eliminate punching grid (do not leave on the roll).
- Distance between the stickers: at least 3 mm.

- Position stickers with letters or various print in unwinding direction, if application is to the upper side of the box.
- Punched paper base cannot be processed further.
- Stickers not complying with the standard cannot be processed on the machine and will increase costs considerably.



Arrangement of stickers on the roll for the **lower side** of the box.

### Positioning of the sticker

V = position of the sticker on the front side (V/. /.)

H = position of the sticker on the rear side (H/. /.)

Example: V/A/1

sticker on position A1/front side

H/B/2

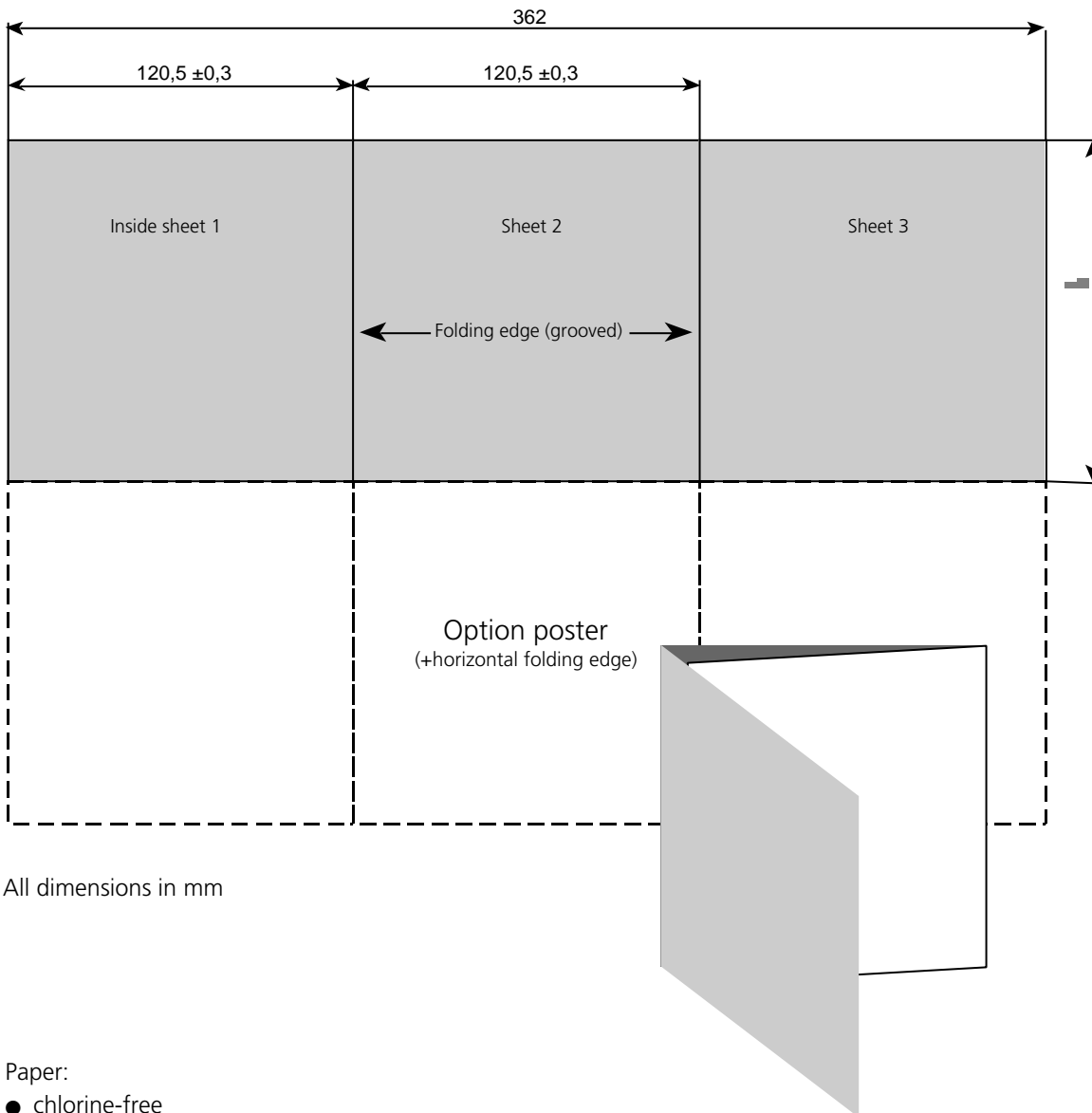
sticker on position B2/rear side

Stickers can be processed automatically on the upper and lower side of the box. To indicate the desired position of the sticker on the box please use the diagram opposite.

### Position diagram

<b>A1</b>	<b>B1</b>	<b>C1</b>	<b>D1</b>
<b>A2</b>	<b>B2</b>	<b>C2</b>	<b>D2</b>
<b>A3</b>	<b>B3</b>	<b>C3</b>	<b>D3</b>
<b>A4</b>	<b>B4</b>	<b>C4</b>	<b>D4</b>

### 3.4. Special Formats



All dimensions in mm

Paper:

- chlorine-free
- wood-free
- glossy, double-coated on both sides
- white art paper
- 160 g/m<sup>2</sup> to 180 g/m<sup>2</sup> and/or more than 8 pages 135 g/m<sup>2</sup>

Various designs are possible:

- Leporello 6 to 16 pages in different folding designs.
- Poster 8 to 18 pages in different folding designs.

Condition at time of supply:

- flat, vertically upright in carton, folded (see fig. page 40)

In addition to standard products **"special formats"** are also offered by Sony DADC such as

- Digibox/-pak
- slip case
- folding boxes
- printed Jewel Cases
- 3D Jewel Cases

**Note**

If you have any questions, please contact our Customer Service department who will be pleased to provide information on the various special formats and their processing possibilities.

## Digipak Index

D04.1	<b>DIG0001:</b>		D08.1	<b>DIG0022:</b>	
D04.1/A	<b>DIG0002:</b>		D08.2	<b>DIG0010:</b>	
D04.2	<b>DIG0003:</b>		D08.2	<b>DIG0024:</b>	
D06.1	<b>DIG0004:</b>		D10T.1	<b>DIG0011:</b>	
D06.1	<b>DIG0005:</b>				
D06.1	<b>DIG0006:</b>				
D06.1/A	<b>DIG0031:</b>		D10C.1	<b>DIG0030:</b>	
D06.2	<b>DIG0007:</b>				
D06.2	<b>DIG0008:</b>				
D08.1	<b>DIG0009:</b>		DM104.1	<b>DIG0012:</b>	

The Digipak, which consists of a compound of plastics and carton, requires hand packaging.

**Note:**

The DIGIPAK packing format is patented. If you have any questions, please ask your Customer Service Contact who will be pleased to provide information on the various special formats and their processing possibilities.

### 3.5. Packaging of Supplied Artwork

When supplying ready-made artwork please note the following items:

- **Delivery according to agreement**

The delivery of ready-made artwork should be carried out only following previous agreement with the Sony DADC Customer Service staff.

- **Artwork delivery**

Your artwork delivery must comply with the Sony DADC specifications (dimensions, paper type and thickness, catalogue number, bar code, designation of origin, perforation). Since packaging is carried out automatically, please note that non compliance with the specifications causes unnecessary additional expenses and longer processing time. Sony DADC reserve the right to charge additional costs caused by sorting, manual packaging or the return of the goods delivered.

- **Minimum quantity**

The minimum quantity is 300. Due to start-up losses as well as possible waste please add to your delivery an additional 10% of artwork over and above the number of CDs ordered by you.

- **Different artwork**

Different artwork (such as inlay cards and booklets or various CD titles) have to be delivered in separated cartons.

- **Delivery in marked carton**

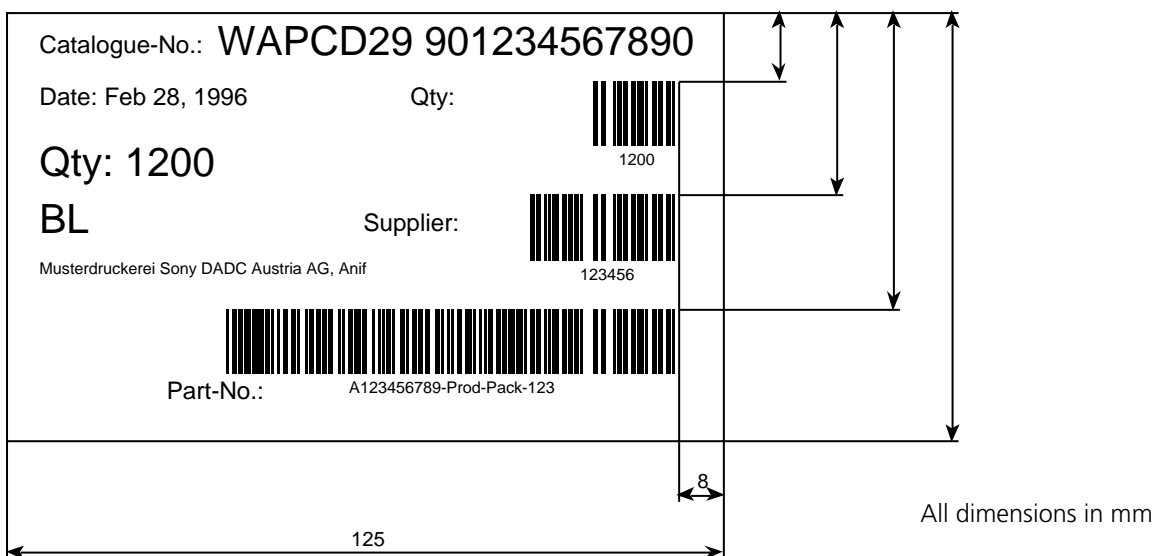
If possible, delivery should be carried out in cartons (see drawing page 40) provided with adequate marking (see label, sample carton).

- **Delivery of stickers**

Provide an adequate label on the carton (see sample). Furthermore, the general Sony DADC specifications for stickers shall apply.

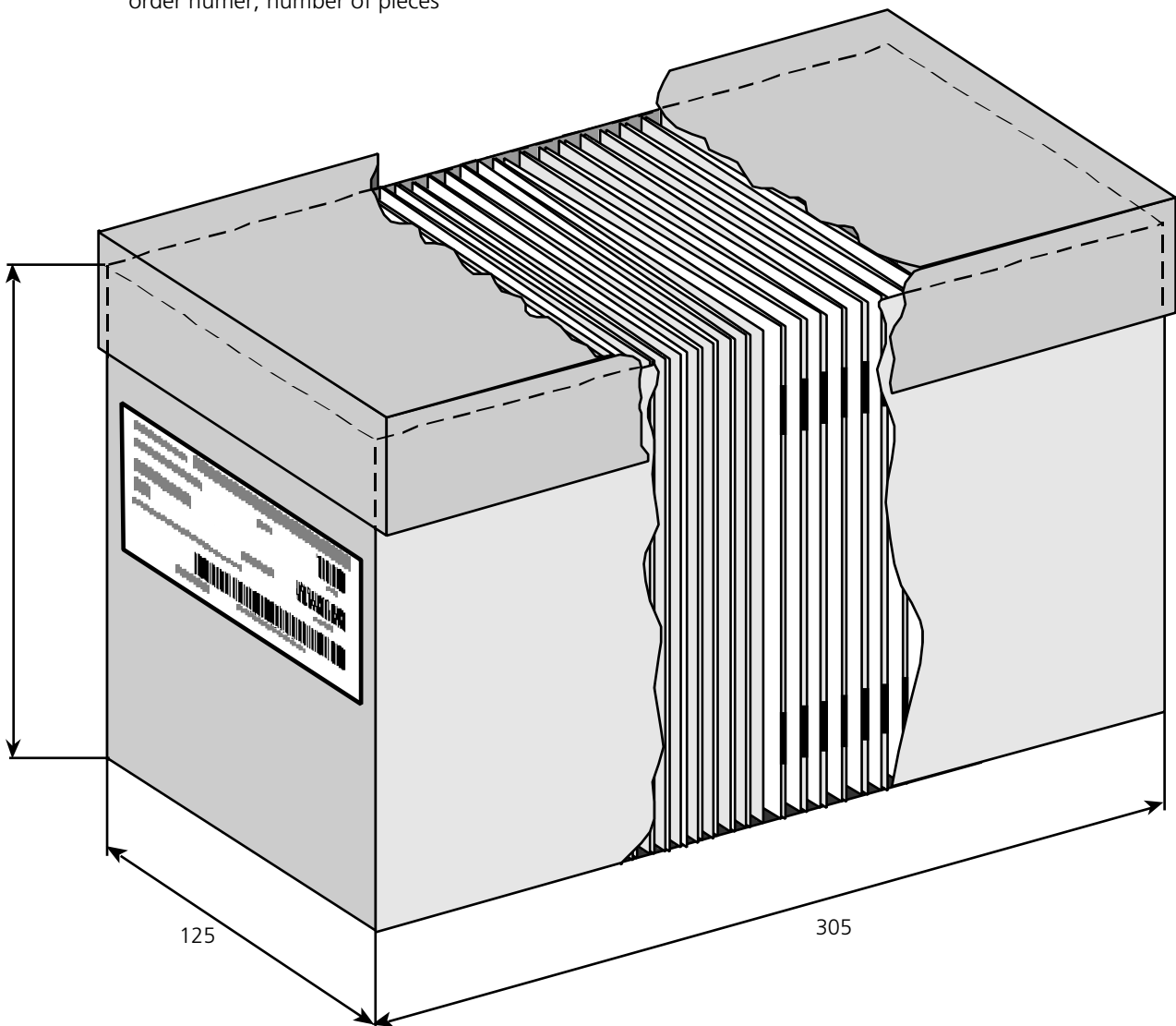
- **Storage**

In case that you deliver more artwork than your CD order and request storage, we ask you to consult with Customer Service. Storage expenses will be settled monthly according to the space required.



**The ready-made artwork should be delivered as follows:**

- upright (vertically or horizontally)
- uniform orientation (title sheet always in one direction)
- crash-proof multi-use carton (optimally approx. 30 cm long)
- carton marked - catalogue number, title, company name, type of artwork, order number, number of pieces



All dimensions in mm

## 4. Sony DADC – The Company

Sony DADC Austria AG, is a hundred percent daughter company of the Sony Corporation, was founded in 1986 to cater to the requirements of the European CD market. Since then, the Compact Disc has emerged as the dominating sound-carrier. In 1996 more than 900 million units will be sold in Europe. The CD has also become the basic technology for other optical storage products like Laser Disc, MiniDisc, CD-ROM or Play Station Disc that were introduced on the market.

With a quantity of more than 200 million CDs shipped annually Sony DADC is one of the leading

Manufacturers of optical storage media in Europe. With two plants in Salzburg and the worldwide network with subsidiaries in Japan, Hongkong, Australia, USA, Canada, Mexico and Brazil, we guarantee supply to our customers with the highest quality and top serviceability.

A separate development division with worldwide networking ensures the step ahead in production technology and is ready to meet specific customer requirements. But above all, here we create the basis for new products in the future so that we can ensure that the Sony group will be your partner in the future, too.

### Facts and Figures:

<b>Sites:</b>	Factory I - Anif/Salzburg Factory II - Thalgau/Salzburg	<b>Customers:</b>	approx. 2500 <small>(International and European music and film companies, publishers, multimedia and information providers as well as computer and video game companies and the majority of software and hardware manufacturers)</small>
<b>No. of employees:</b>	1996 approx. 850	<b>ISO 9002:</b>	Certification 1995
<b>Capacity:</b>	1996 950.000/day		
<b>Production quantity:</b>	more than 200 million annually		

### Our products:

Product	Use	Size	Specification
Compact Disc	Audio	12 cm 8 cm	max. playing time 77min. max. playing time 21min. 50sec.
Laser Disc	Video	30 cm	max. playing time 120min. (two sides)
CD-ROM CD-I	Information processing/ Multimedia, Interactive Entertainment	12 cm 8 cm	max. 680 MB max. 192 MB
Video CD	Video/Film	12 cm	depending on combination audio/video/data
MiniDisc	Portable Audio	6,4 cm	playing time approx. 74 min.
PlayStation Disc	Interactive Entertainment	12 cm	max. 680 MB
CD EXTRA	Multimedia, Audio, Video, Data	12 cm 8 cm	max. 74 min. 30 sek. max. 655 MB
MD Data	like CD-ROM	6,4 cm	max. 140 MB

## 5. INFORMATION SHEETS

*We kindly ask you to transmit to our Customer Service department the following information sheets which contain all the data required for production. In this chapter you will find a "New Customer Data Sheet", the "Sound & Noise Information" sheet and the "Remastering Instructions" sheet. After filling in you can send them to us via fax as original. Incomplete data may lead to inquiries and time delays.*

**Sony DADC Austria AG**

Customer Service

Niederalm 282

A-5081 Anif, Austria

Tel. +43/6246/880-555

Fax +43/6246/880-509 or 73551 or 72090

E-Mail: sales@dadc.co.at



10.1.D

Customer data		
Company name:		Order date:
Street:		Area Code:
Town:		Country:
Contact person for inquiries:		
Telephone no.:	Fax no.:	E-Mail no.:
Catalogue no.:	Part reference no.:	Requested delivery date:
Number of pieces:	Product:	
Format: <input type="checkbox"/> 12 cm <input type="checkbox"/> 8 cm <input type="checkbox"/> 30 cm	<input type="checkbox"/> CD-ROM <input type="checkbox"/> CD Audio <input type="checkbox"/> Playstation Disc <input type="checkbox"/> CD EXTRA <input type="checkbox"/> CD-Video/CD I <input type="checkbox"/> Laser Disc <input type="checkbox"/> DVD <input type="checkbox"/> Mini Disc <input type="checkbox"/> CD of Photo-CD	
Additional information		CD label colour numbers
		1.                      4.
		2.                      5.
		3.                      6.
Requested type of packaging		Requested artwork
<input type="checkbox"/> unpacked <input type="checkbox"/> in single Jewel Case <input type="checkbox"/> Multiboxes <input type="checkbox"/> other: Standard: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 Brilliant: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4		<input type="checkbox"/> Booklet <input type="checkbox"/> Inlay card Number of pages:
Wrapped in cellophane <input type="checkbox"/> yes <input type="checkbox"/> no    Artwork provided by the customer: <input type="checkbox"/> yes <input type="checkbox"/> no		Number of colours:
Type of input medium:	VAT no. (for customs purposes):	Format:
Delivery address		Invoice address
Street:		Street:
Area code:		Area code:
Town:		Town:
Country:		Country:
Signature:		Date:

# GENERAL TERMS & CONDITIONS

Sony DADC Austria AG

A-5081 Anif, Niederalm 282

(1) **Preamble**

Unless otherwise agreed in writing, the General Terms and Conditions of Sony DADC Austria AG (hereinafter referred to as "DADC") shall form an integral part of all quotations and purchase contracts. Customer's purchasing conditions differing from these General Terms & Conditions shall be of no effect.

(2) **Terms of Sale**

(2.1.) **Quotation and Price**

Unless otherwise agreed, the prices are understood net ex Supplier's domicile in A-5081 Anif, Niederalm 282, exclusive of freight and without any discount. The prices of the last quotation made by DADC shall apply.

(2.2.) **Order and Order Acknowledgement**

(2.2.1.) For each product-type minimum order quantities exist which are part of DADC's Customer Manual for the specific product.

(2.2.2.) All orders from Customer to DADC must be in writing, and shall be considered accepted if confirmed in writing by DADC. Agreements, if any, with agents and/or representatives and other agreements with Customers including legally binding promises or deviations from the general terms and conditions will not be valid unless also accepted in writing by DADC.

(2.3.) **Quantity to be delivered**

The quantity to be delivered shall be determined by DADC's order acknowledgement in writing. Unless otherwise agreed the Customer agrees to accept production-related variations in the quantity to be delivered of more or less than 5% per title ordered. For orders of 1,000 units or less per title, the Customer shall accept production-related deviations of up to 100 units, which will be charged in the invoice.

(3) **Delivery Time**

(3.1.) The delivery period agreed shall commence as soon as DADC has received from the Customer all components required according to DADC's specification. Delivery shall be considered to have been made in time if the goods ordered have left the factory in A-5081 Anif or A-5303 Thalgau prior to expiration of the period of delivery.

(3.2.) Delivery periods and delivery dates shall be understood to be without engagement.

(3.3.) DADC shall have the right to make part deliveries and advance deliveries. A cancellation of orders by the Customer, although it might be legitimate and following an extension of the delivery period, shall not apply to part deliveries or advance deliveries made before.

(4) **Place of Fulfilment and Passage of Risk**

(4.1.) The place of fulfilment and passage of risk for all deliveries shall be the factory of DADC in A-5081 Anif or A-5303 Thalgau, or a distribution warehouse separately specified by DADC.

(4.2.) The risk in respect to the goods delivered shall pass to Customer at the time they are delivered to the carrier. This also applies to part deliveries.

(4.3.) Except as otherwise provided herein, shipment and method of shipment shall be exclusively determined by DADC. DADC shall arrange for the transport and shall pay the cost of transport packing as well as the cost of usual transport insurance for an insurance value up to the amount of the relevant DADC invoice. Other expenses, e.g. expenses for specific packing, extra cost for individual consignments, freight charges, etc. shall be for exclusive account of Customer. The Customer shall have to pay all customs duties, sales taxes, border expenses etc. even if the order for transport has been given by DADC.

(4.4.) In the event of delay of shipment caused by circumstances within the responsibility of Customer, all risks including the risk of accidental loss shall pass to the Customer at the time DADC gives notice that the goods are ready for collection, i.e. at the time such notice is sent by DADC. In the event of delay caused by circumstances within the responsibility of Customer, the Customer will be charged storage cost of at least 5% per month of the gross invoice value, beginning at the time DADC has given notice that the goods are ready for shipment.

(5) **Invoices and Terms of Payment**

(5.1.) The prices agreed are understood ex DADC factory in A-5081 Anif/Austria, exclusive of sales tax (VAT).

All payments shall have to be made in cash, free of charges and without deductions. Enforcement of counterclaims by setoff or by exercise of retention rights by the Customer shall be excluded, provided such exclusion is permitted by the laws in vigor.

(5.2.) Payments shall not be considered to discharge the debtor unless made into DADC's banking account, except as otherwise agreed (e.g. payment by cheque).

(5.3.) All payments shall be first counted against the expenses (dunning expenses, legal expense), then against interest accrued, and finally against the capital, i.e. against the oldest outstanding debt. Cheques and bills of exchange shall be accepted upon special agreement only, and merely on account of payment, not in lieu of payment. Cheques and bills of exchange shall be considered payment upon encashment, at the value date on which they have been credited to DADC by the bank. DADC shall have the right to refuse, without showing cause, any payment offered by cheques or bills of exchange.

(5.4.) Unless otherwise agreed, all invoices issued by DADC shall become due for payment within 30 days from invoice date, without any deduction.

(5.5.) The place of performance of all payments shall be A-5081 Anif.

(6) **Consequences of Delayed or Refused Performance**

(6.1.) Even after having accepted an order, DADC shall also have the right to refuse performance and/or delivery if, as a result of a circumstance become known or arising also after the contract has been concluded, there is fear that the Customer will be unable to fulfil his duties completely or in time or if the contents of the film, sound, data or other software recordings given to DADC for duplication violate laws or moral principles. Similarly, DADC shall be entitled to refuse the acceptance of the order and/or the delivery unless it is clear without doubt that the Customer disposes of all rights for duplication of the recordings concerned.

(6.2.) Where the period allowed for payment has been exceeded, Customer shall be considered to be in default, without that any special notice has to be given by DADC. In such case DADC shall have the right to cancel all periods allowed for payment - including these for accepted bills - and to demand payment immediately. In all cases of agreements on payment in instalments, non-payment of any one instalment shall constitute default on the part of Customer, to the extent permitted by law.

(6.3.) In the event of default of payment, the Customer shall have to pay interest on the sums due and unpaid, in the rate of the refinancing cost prevailing, but not less than 12% per

annum. All extrajudicial dunning and collection expenses, including the cost of legal advisers and debt collectors, shall have to be paid by Customer.

(7) **Delivery to Third Parties**

Where a Customer specifies that an order given by him, or any part thereof, be shipped and invoiced to a third party (i.e. to an affiliate company of Customer or one of his distribution partners etc.), Customer shall continue to be liable towards DADC. DADC shall have the right to charge extra cost incurred for packing and transportation. If the delivery is to be carried out on behalf of a Customer by DADC directly to a third party in a non EU country, the Customer shall make available to DADC either the commercial invoice or the merchandise value which has to be paid by the third party for the assessment of the import taxes.

If such delivery is carried out to a third party in an EU country, the Customer shall make available to DADC the VAT identification number of the third party prior to the delivery. If such information is not provided by the Customer or is incomplete or incorrect, he shall indemnify and hold harmless DADC in this respect, particularly with a view to any customs penalties and duties.

(8) **Defects Liability Guarantee**

(8.1.) In case of a complaint, the Customer shall have to provide for proper storage of the rejected goods, and to hold them at DADC's disposal until the complaint has been settled.

(8.2.) DADC shall have the right to release itself from any claims for reasonable reduction of price by correcting defective goods and/or by supplying missing goods in a manner acceptable to Customer. Defects of a part of a shipment (order) do not give right to reject the complete shipment.

(9) **Retention of Ownership**

All goods delivered shall remain in DADC's property until all claims DADC may have under its relationship with Customer have been fully satisfied.

(10) **Claims for Damages**

Claims for damages raised by Customer for breach of contract by DADC e.g. for non-fulfilment or for default, shall be excluded unless Customer furnishes proof that the damage has been caused by gross negligence on the part of DADC.

(11) **Rights of Mechanical Duplication, Copyrights, Author Rights, Other Rights**

Customer declares to possess all rights for the purpose of duplication, including the right of mechanical duplication, the right to use certain film-, sound-, data- or other software recordings etc. and he guarantees that all copyright fees and other payable fees be paid to the owner of the rights or to the competent organizations representing the owners, and that no claims in this respect will be raised against DADC. Customer shall indemnify DADC in all respects, in particular for claims raised by third parties, including claims for copyright organizations or other organizations, and for expenses arising from legal or court action for asserted or factual violation of such rights. Such indemnifications shall include production cost, if any, incurred by DADC. The Customer agrees that DADC will disclose that information on individual orders to copyright utilization companies and other organizations dealing with the protection of copyrights of any kind, which is required by these companies for ensuring a proper licence settlement and/or for the control of safeguarding any copyrights.

(12) **Miscellaneous**

(12.1.) Customer shall furnish to DADC his specific production material, including master, label films, print films etc. corresponding to the specification given in DADC's customer manual in vigor. Where Customer furnishes production material which is not in line with applicable DADC specifications, DADC can complete, improve or return such production material at the expense of Customer.

(12.2.) Print material delivered by the Customer can be used only if complying with DADC specifications. Except as otherwise agreed, DADC shall not be obliged to store print materials in excess of the disc-quantity ordered. Customer agrees that DADC shall not be liable for losses up to a maximum of 5% occurring during packaging, machine adjustment, disruptions etc.

(12.3.) All material to be delivered to DADC by Customer or on Customer's behalf, shall be "delivered Anif duty paid" in accordance with INCOTERMS.

(12.4.) Any production material furnished by Customer for the production will be stored by DADC on behalf of Customer for up to 12 months after the last order of the title concerned has been given. After such period, the material will be destroyed or returned at Customer's expense, depending on Customer's instructions.

The cost paid for by Customer for master and stamper production merely include the services rendered by DADC in connection therewith, while masters and stampers shall remain the property of DADC. If so requested by Customer, they will be destroyed upon completion of production. In case of a destruction, any repeat order shall be considered a new order, with all costs connected therewith.

(12.5.) Customer guarantees that DADC will only receive duplicates of masters, label films and films for preparation of print materials. Should DADC be liable for loss or damage to such materials, such liability shall be limited to the value of material, but not exceeding a maximum value of DM 2,000.

(12.6.) In case the goods supplied by DADC are passed or sold to third parties, Customer shall have to inform such third party in regard to proper use and handling of the goods.

(12.7.) Customer shall not have the right to use the company name of DADC or a component thereof, nor any reference to the company name of DADC on its products, notices, business or advertising materials, unless expressly agreed by DADC in writing.

(12.8.) Austrian law shall exclusively apply to all quotations and purchase contracts, as well as to these General Terms and Conditions.

DADC and Customer agree that all disputes arising out of these Terms and Conditions be referred to the courts having jurisdiction in the province capital of Salzburg, waiving any other venue of jurisdiction.

(12.9.) Additional agreements, information and complaints shall have to be made in writing, and can be accepted only if sent to Sony DADC Austria AG, Niederalm 282, A-5081 Anif, for the attention of "Customer Service". Notices given to DADC shall not be legally effective unless sent to such address.

# Sound & Noise Information

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HISS, HUM, FLUTTER:			
ROOM N., PLAY N., VOCAL N.:			

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