



HANDLE CASE PAPER PART SPECIFICATIONS

TCAU Specification

TSA 239

Issue: 2

February 2011

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The following Technicolor Specification shall be considered Confidential in nature. Each person or persons in receipt of this specification shall not disclose any confidential information in whole or in part without written authorisation from Technicolor.

1. Description

The Handle Case is a plastic, single media box for DVD designed for the children's market. The paper parts included in this specification includes, but is not limited to slick/title pages, booklet inserts and product barcodes.

2. Scope

These specifications shall apply to all paper parts used in the plastic, single media Handle Case boxes by Technicolor.

It is recommended that the separate Handle Case Specification document also be consulted with regards to paper parts.

Unless stated otherwise, no drawing contained herein is drawn to scale.

3. Requirements

- ♦ The Handle Case Paper Parts Specification requires that paper parts used in the plastic Handle Case box must meet Technicolor specifications and applicable license and trademark. Handle Case Paper Parts may or may not be from current Technicolor approved/qualified suppliers, however, the supplier must complete the qualification process for Handle Case Paper Parts. Handle Case Paper Parts must not cause functional problems in any type of production equipment in use by Technicolor.
- ♦ Each container/shipment is considered an individual lot for inspection. This specification includes additional testing requirements for incoming inspection to reduce the risk of materials causing functional failures in production equipment. Additional testing includes, but is not limited to, functional testing in production equipment.

Note: Drawings Not To Scale





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3. Requirements (*cont*)

- ♦ Any revisions and/or additions to these specifications are to be made with the agreement of Technicolor and the supplier. Technicolor must be notified of and agree to any changes to Handle Case Paper Part materials, design and/or construction.
- ♦ It is recommended that the test methodologies described herein be used. However, alternative methods will be accepted if the test criteria and repeatability can be maintained.
- ♦ All test samples should be acclimated prior to test. All tests should also be conducted in a standard testing environment of:
 - Temperature: 20±2°C
 - Relative Humidity: 50 +10%
- ♦ All supplied product must be pre-approved by the following packaging equipment manufacturers for use on their automatic packaging equipment:
 - Heino Ilsemann
 - Kyoto

Note: Drawings Not To Scale





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5. DVD Inserts

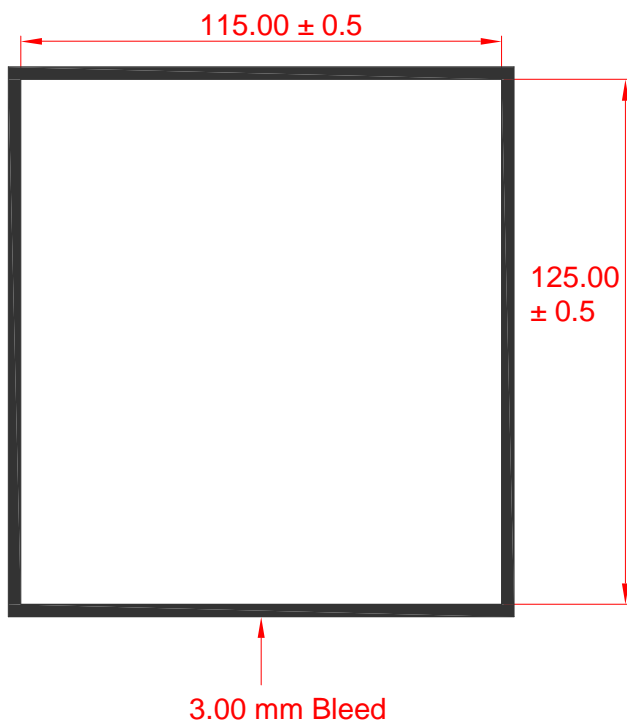
Tolerance and overall dimensions for Handle Case Inserts are shown in Figure 2.

Further specifications for this paper part include:

- ♦ Maximum weight 300 gsm
- ♦ Minimum weight 200 gsm
- ♦ Paper print should have a non-porous finish
- ♦ Catalogue number must appear on the final product

NOTE: The total number of booklets/inserts per Handle Case is three.
The combined thickness of all inserts and booklets is NOT to exceed 2.50 mm.

Figure 2 – Handle Case Inserts



Note: Drawings Not To Scale



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6. Handle Case Booklets

Tolerance and overall dimensions for Handle Case Booklets are shown in Figure 3.

Further specifications for this paper part include:

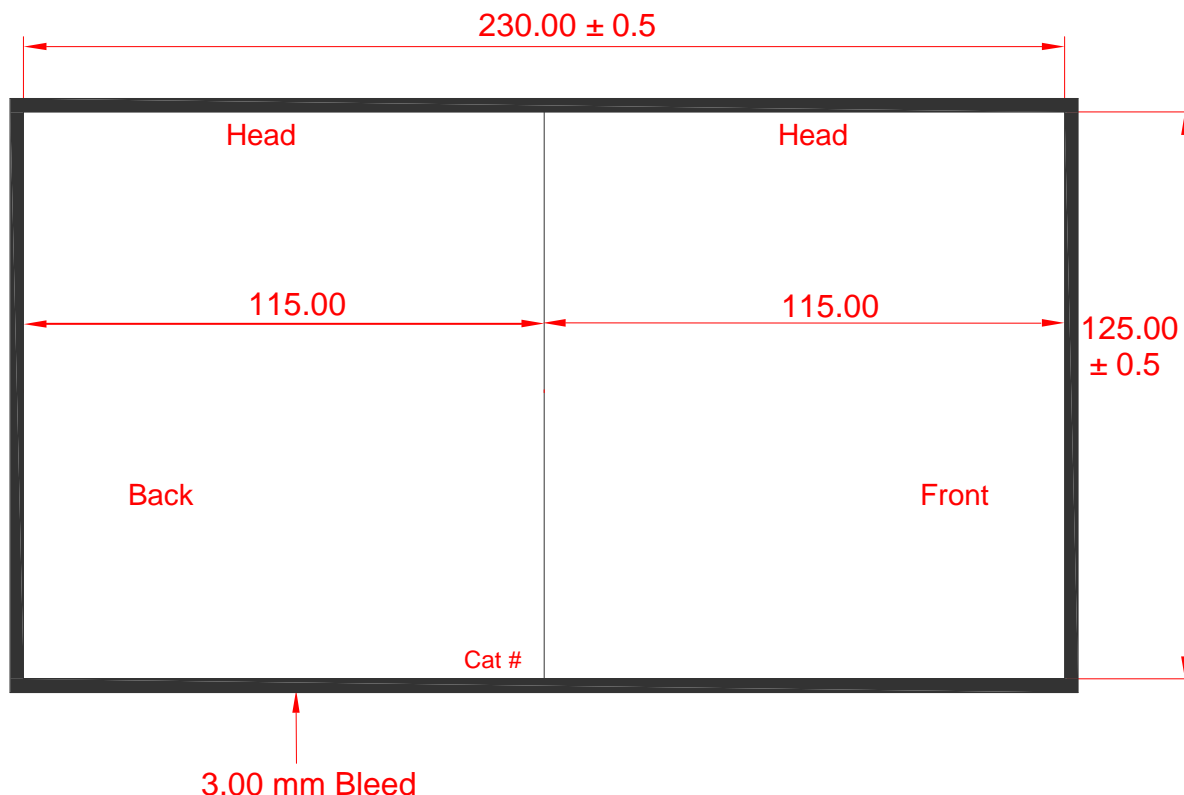
- ♦ Up to a 12 page booklet is acceptable
- ♦ No concertina folds
- ♦ Standard paper is Stock Coated A2 Art specification is 150 – 190 gsm

NOTE: Where non-standard paper stock is used or where additional special finishes are applied such as foils, spot varnishes, embossing – paper parts may require hand-packing which will incur extra packaging charges

- ♦ Paper print should have non-porous finish
- ♦ Catalogue number must appear on the final product

NOTE: The total number of booklets/inserts per Handle Case is three.
The combined thickness of all inserts and booklets is NOT to exceed 2.50 mm.

Figure 3 – Handle Case Booklet (open)



Note: Drawings Not To Scale

