

ICS 01.100.01

CCS J 04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 10609.4-2009

Replacing GB/T 10609.4-1989

Technical drawings -- Requirements for micro-copying

技术制图 对缩微复制原件的要求

(English Translation)

Issued on: November 30, 2009

Implemented on: September 1, 2010

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Basic requirements
 - 3.1 Mapsheet and drawing requirements
 - 3.2 Optical density plot, width and gap

Foreword

GB/T 10609 "Technical Drawing" is divided into the following four parts.

- GB/T 10609.1 Technical drawing title bar;
- GB/T 10609.2 Technical Drawing Parts List;
- Folding method GB/T 10609.3 Technical drawings of;
- GB/T 10609.4 Technical drawings on microfilm copy of the original request.

This part of the GB/T 10609.4-1989 "Technical Drawing on microfilm copy of the original request," the amendment.

In this part, the modified contents are.

- All references GB to GB/T ;
- Removed Normative references in GB/T J1;
- All illustrations and tables add the appropriate diagram and table names;
- 3.4 sectional title changed to a cross-sectional area;
- 3.5 title representation to representation.

Appendix A of this section is an informative annex.

This part of the National Technical product documentation Standardization Technical Committee (SAC/TC146) and focal points.

This section is drafted. the machine Productivity Promotion Center, Dalian Maritime University, Xi'an University of Science and Technology.

1 Scope

This section GB/T 10609 specifies the basic requirements for microfilm copy of the original (technical drawings and technical files).

This section applies to technical drawings and technical documents microfilm before, science and technology literature can also refer to use.

2 Normative references

The following documents contain provisions which, through reference GB/T 10609 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 4458.4 Mechanical drawings - Dimensioning GB/T 6159.1 Micrographics - Vocabulary - Part 1. General terms (GB/T 6159.1-2003, ISO 6196-1.

1993, MOD)

GB/T 14689 Technical drawings and drawings format (GB/T 14689-2008, ISO 5457:1999, Technical product documentation - Sizes and layout of drawing sheets, MOD) GB/T 14691 Technical drawings font (GB/T 14691-1993, eqv ISO 3098-1. 1974, ISO 3098-2. 1984) GB/T 16675.1 Technical drawings - Simplified representation - Part 1. - Drawing GB/T 16675.2 Technical drawings - Simplified representation - Part 2. Dimensioning GB/T 17450 Technical drawings Chart (GB/T 17450-1998, idt ISO 128-20:1996) GB/T 17451 Technical drawings - view (GB/T 17451-1998, neq ISO/DIS 11947-1:1995) GB/T 17452 Technical drawings - sectional view and a sectional view (GB/T 17452-1998, eqv ISO/DIS 11947-2:1995) GB/T 17453 Technical drawings - sectional area of representation (GB/T 17453-2005, ISO 128-50:2001, Technical drawing - General principles of presentation - Part 50. Basic conventions for representing a reason cuts and sections, IDT)

3.1 Map sheet and drawing requirements

3.1.1

microfilm copy of the original map sheet size should be consistent with the relevant provisions of GB/T 14689 of.

3.1.2

microfilm copy of the original ships should be drawn on the drawing paper, tracing paper or polyester film and other drawing smaller surface gloss.

NOTE: polyester drawing film thickness not less than 76µm.

3.1.3

In order to facilitate positioning microfilming and copying, due to the symbols on the map sheet. Its setting method, see the provisions of GB/T 14689 of.

Position error symbols is $\pm 0.5\text{mm}$.

Figure 3.1.4 shall be provided on the web metric reference indexing, see Appendix A.

It allows the use of coated with a protective layer 3.1.5 microfilm copy of the original, but should consider the effect of the protective layer of the microfilm copy.

3.2 Optical density plot, width and gap

3.2.1

Composition microfilm copy of the original graphics, symbols, fonts, forms and modifications, etc., should be black, small gloss, uniform density line.

Recommended minimum plot contrast value of 0.7.

Note: The contrast is the difference between the optical density plot of the optical density of the background and the web between. Optical density optical conductivity reciprocal logarithm to the base 10.