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March 1959
CANCELLATION
October 1972

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard
for

BINDERS, LOOSE LEAF, SECTIONAL POST TYPE

This standard is hereby cancelled because it is no longer required for government procurement.



NADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

BINDERS

LOOSE - LEAF, SECTIONAL POST TYPE

53 - GP - 37

6 MARCH 1959

ARCHIVES COPY

THIS SPECIFICATION APPLIES TO STOCK SIZE BINDERS HAVING
TWO POSTS ONLY, FOR GENERAL OFFICE USE.

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

Price

15 CENTS

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CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

BINDERS; LOOSE-LEAF, SECTIONAL POST TYPE

1. DEFINITION

1.1 This specification applies to stock size binders having two posts only, for general office use.

2. APPLICABLE PUBLICATIONS

2.1 The following publications contain requirements applicable to this specification:

Canadian Pulp and Paper Association
(CPPA) Test Methods

Technical Association of the Pulp and Paper Industry,
(TAPPI) Test Methods

2.2 Reference to the above publications is to the issue in effect on the date of invitation for bids, unless otherwise specified.

3. REQUIREMENTS

3.1 Construction - Sectional post binders shall consist essentially of two covers held together by means of two sectional posts and either a top-locking or end-locking device, as specified (see 3.8.2).

3.2 Dimensions - shall be as listed in Table I and Table II.

TABLE I - Dimensions

Sheet Size	Centre-to-centre of posts, plus or minus 1/32 inch	Diameter of posts, plus or minus 1/64 inch
Inches	Inches	Inches
8-1/2 by 11....	4-1/4	3/8
8-1/2 by 14....	4-1/4	3/8
9-1/2 by 12....	7	3/8
11 by 8-1/2	7	3/8
11 by 14....	7	3/8
11 by 17....	7	3/8
12 by 9-1/2	7	3/8
8-1/2 by 14....	6-3/8	5/16
9-1/4 by 11-7/8	7-1/8	5/16
11 by 14....	8-1/4	5/16

3.3 The table above is not intended to be all-inclusive, and if larger binders are required, they shall be referred to as "Specials".

If larger binders are required they shall be of the following sizes:

TABLE II - Dimensions

Binding Size Inches	Centre-to-centre of posts Inches	Diameter of Posts Inches
13, 14, 15, 16, 17, 18, 19	8-13/16 12-15/16	3/8 3/8

3.4 Covers - Each cover shall be made from binders board, having an average thickness of not less than 0.210 inch and a minimum bursting strength of 800 points. Binders board shall comply with the requirements for bursting strength and flexural resistance described in Section 4.3.2.

3.5 Binding Materials - Covers and post housings shall be bound in duck, artificial leather, buckram or vinyl, as specified. The material shall be in one continuous piece and shall be carried over the post housings and over the inside face of covers at least 5/8 inch beyond the edges. The binding material shall be securely glued in place. When vinyl material is specified, the vinyl shall be in one or two pieces, securely welded at all edges.

3.5.1 Duck - when used, shall be single or double thread duck, weighing not less than 7 ounces per square yard.

3.5.2 Artificial Leather - shall be of drill base having a minimum weight of 9.0 ounces per square yard.

3.5.3 Buckram - shall be bleached, dyed and sized, having a minimum weight of 8.2 ounces per square yard and maximum weight of 9 ounces per square yard, with a tolerance of ± 6 per cent.

3.5.4 Vinyl - shall be virgin, polyvinyl chloride having a minimum weight of 15 ounces per square yard and a maximum weight of 19 ounces per square yard, with a tolerance of ± 10 per cent.

3.5.4.1 Where vinyl is used, it shall be applied both on inside and outside of the binders board.

3.6 Lining - Lining for inside face of covers shall be a suitable paper having a minimum weight of 60 pounds per 500 sheets, 24 by 36 inches, securely and smoothly glued to the cover.

3.7 Hinge - The Hinge shall connect the binding post housing to the cover and shall be not less than 2 thicknesses of binding material securely glued together, or shall be of metal. When continuous piano type hinges are specified in the invitation for bids, they shall be made of cold-rolled steel.

3.8 Post assembly - The Post assembly shall consist of a metal housing hinged to each cover. The lower housing shall be fitted with threaded base sockets into which post sections shall be screwed. The upper housing shall hold the locking mechanism.

3.8.1 Housing - The lower housing shall be a continuous metal tube or a continuous flat metal plate. If of the tubed type, the lower housing shall be made of steel not less than 0.035 inch thick. The ends of housing tubes shall be capped with aluminum-, steel-, plastic-, or rubber-end plugs. If of the plate type, the lower housing shall be steel having a cross section of not less than 0.0625 inch by 0.875 inch, or 16 gauge strip steel. The upper housing shall be a continuous metal tube similar to the tube construction of the lower housing, fitted with a locking mechanism capable of holding the housing firmly at any desired position on the posts. The top-locking device shall be operated by either a knurled thump knob or slide button on top of the housing. The end-locking device shall be operated by a winged key from one end of the housing. Locking device shall be constructed of cold-rolled steel. All locking surfaces of locking device shall be case hardened.

3.8.1.1 A winged key shall be furnished with each binder with end-locking device.

3.8.2 Posts - Unless otherwise specified, the centre-to-centre location and the diameter of the posts shall be as shown in Tables I and II, and as specified in the invitation for bids. Posts shall be made up of sections assembled by means of male and female threads. Posts shall be made of steel having a Rockwell hardness of not less than 65 on the B scale. Unless otherwise specified, each post furnished with binders shall consist of a 1/2 inch section, a 1 inch section and a 1/2 inch smooth top section. Posts shall be spaced equidistant from edges of binder within 1/8 inch tolerance.

3.9 Finish - Unless otherwise specified, all exposed metal parts shall be zinc-coated, or shall be given a black oxide finish covered overall with a suitable drying oil, or shall be otherwise treated to resist corrosion when tested in accordance with 4.3.2.4.

3.10 Index Tab Allowance - Binders shall have an index tab allowance of 5/8 plus or minus 1/16 inch.

3.11 Identification Marking - Unless otherwise specified, the following information shall be printed or stamped on the inside of one cover:

Manufacturer's name or trade-mark
Manufacturer's stock number

3.12 Workmanship - Binders shall be finished in a neat and workmanlike manner. All edges and surfaces shall be smooth and securely fastened. Binders shall be free from all defects and imperfections which might impair their serviceability.

3.13 Color - The color of duck, artificial leather, buckram and vinyl shall be as specified.

4. INSPECTION

4.1 Sampling

4.1.1 Lot - For purposes of sampling, a lot shall consist of not more than 1,000 binders of identical type, grade and size offered for delivery at one time.

4.1.2 Sampling Procedure - From each lot or portion thereof, a maximum of 5 binders shall be selected at random as samples.

4.1.3 Materials - When specified in the invitation for bids, the contractor shall submit samples of the materials, other than metal, which he has used in the manufacture of the binder, and a sample of all metal parts which he has used, finished as in the binder. Samples of artificial leather, duck, buckram, vinyl and binders board shall consist of not less than 100 square inches of the material, sufficient for the tests specified herein, the remainder to be used for comparison with the material used in the binders submitted for acceptance.

4.2 Inspection - Each binder shall be inspected visually for workmanship, identification and dimensions, to determine compliance with the requirements of this specification.

4.3 Tests

4.3.1 Samples - Each sample binder selected in accordance with 4.1.2 shall be subjected by the inspector to a thorough surface inspection for material, workmanship, identification, construction and dimensions. Every portion of the mechanism shall be operated several times.

4.3.2 Testing - The methods of testing shall be those of the Technical Section, Canadian Pulp and Paper Association (CPPA), and of the Technical Association of the Pulp and Paper Industry (TAPPI).

4.3.2.1 Thickness and Density, Binders Board - CPPA Method D.4.

4.3.2.2 Bursting Strength, Binders Board - CPPA Method D.8, except that the instrument shall be of the heavy-duty type, both apertures of which are 1.24 ± 0.01 inches in diameter.

4.3.2.3 Flexural Strength, Binders Board - TAPPI Method T 469m, except that loading rate shall be 12 inches per minute.

4.3.2.4 Metal Parts - All metal parts shall be tested for corrosion resistance by placing them in a boiling 10 per cent (by weight) aqueous solution of sodium chloride for a period of 15 minutes. The fittings, upon being removed from this solution, shall be immediately immersed in 10 per cent (by weight) aqueous solution of sodium chloride at room temperature. They shall then be removed from this solution and, without having the adhering liquid wiped off, allowed to dry for 24 hours at room temperature. The metal parts shall then be rinsed in lukewarm water and allowed to dry.

5. PREPARATION FOR DELIVERY

5.1 Packaging - Unless otherwise specified, commercial packaging shall be acceptable

5.2 Packing

5.2.1 Domestic Shipment - Unless otherwise specified, unit packages shall be over-packed in commercial containers constructed to insure acceptance by common or other carriers for safe transportation to the point of delivery. Unless otherwise specified, packaging shall comply with the Manufacturers' Commercial Pack requirements, as laid down in the Canadian Freight Classification Code. Containers shall be able to withstand storage, rehandling and reshipment without the necessity of repacking.

5.3 Marking

5.3.1 Interior Package - On orders of 50 or more binders of the same type and grade, each interior package shall be durably and legibly marked with the following information:

Binder, loose-leaf	Canadian specification 53-GP-37
Type	Order number
Grade	Quantity
Size	Manufacturer's name or trade-mark
Color	

On orders of less than 50 binders, the manufacturer's standard commercial label will be accepted.

6. NOTES

6.1 Ordering Data - Procurement documents should contain the following:

- a) Size of binder (Tables I and II).
- b) Type of cover, i. e. duck, artificial leather, buckram, or vinyl, (3.4).
- c) Color. (3.13).
- d) Type of hinge (3.6).

Correspondence regarding this specification should be addressed to the Secretary,
Canadian Government Specification Board, National Research Council, Ottawa 2, Canada.