

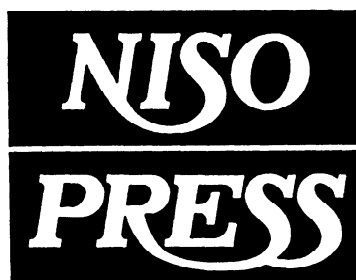
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Single-Tier Steel Bracket Library Shelving

Abstract: This standard establishes minimum performance requirements for freestanding single-tier steel bracket shelving for use primarily in libraries.

**An American National Standard
Developed by the
National Information Standards Organization
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American National Standards Institute**



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Foreword

(This foreword is not part of the American National Standard for Single-Tier Steel Bracket Library Shelving, ANSI/NISO Z39.73-1994. It is included for information only.)

In 1988 the Equipment Committee of the Buildings and Equipment Section of the American Library Association's Library Administration and Management Association asked *Library Technology Reports* to undertake a comprehensive study of library shelving. This standard is based on the results of that study as well as earlier research sponsored by LTR and the Library Technology Program. It was prepared by Howard S. White, editor, *Library Technology Reports*, American Library Association.

An early draft of this standard was approved by an ad hoc Library Shelving Subcommittee that met in the early 1980s. Representing various library shelving companies were the following industry representatives: Andrew Fenton, Thomas E. Hovey, Bruce Pike, Lawrence Rice, and Robert Trelease. Representing the interests of libraries were Nancy McAdams, a facilities planner for the Univer-

sity of Texas at Austin; Robert Rohlf, director, Hennepin County Library and a well-known library buildings consultant; and Frazer Poole, internationally acclaimed library facilities expert and also the first executive director of ALA's Library Technology Program from 1959 to 1963. Howard S. White, editor of *Library Technology Reports*, was the secretary to this subcommittee.

Suggestions for improving this standard are welcome. They should be sent to the National Information Standards Organization, P.O. Box 1056, Bethesda, MD 20827, (301) 654-2512. This standard was processed and approved for submittal to ANSI by the National Information Standards Organization. NISO approval of the standard does not necessarily imply that all Voting Members voted for this standard's approval. At the time it approved this standard, NISO had the following Voting Members:

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Single-Tier Steel Bracket Library Shelving

1. Scope

1.1 Description

This standard establishes minimum performance requirements for the steel shelving generally known as single-tier bracket (freestanding) bookstack, consisting of two upright support columns per modular section with adjustable shelves cantilever-hung on brackets on both sides of the uprights. Such shelving conforms to three criteria.

1.1.1 Shelf Length and Width

Shelves are of uniform lengths and widths, formed of sheet metal, with cantilever-hung brackets that secure the shelves to the uprights.

1.1.2 Shelf Adjustability

Shelves are easily adjustable up and down, in one-inch increments, without tools.

1.1.3 Design Use

This shelving is designed primarily for use in libraries.

1.2 Exclusions

It is not the purpose of this standard to describe the weight, thickness, composition, size, or configuration of structural members, nor the method of application, composition, or thickness of the finish.

This standard does not apply to the kinds of shelving described below in 1.2.1 and 1.2.2.

1.2.1 Four-Post Shelving

Four-post shelving consists of four angle-iron uprights per section with shelves hung by bolts or clips, designed primarily for use in warehouses or for industrial or commercial storage.

1.2.2 Case Shelving

Case shelving consists of full panel backs and tops, and end panels made to receive the shelves in slots.

1.3 Application

Although requirements for steel bracket shelving may differ somewhat according to the kind

of library and its collections, this standard specifies the minimum performance characteristics for such shelving for book collections in public, school, academic, and research libraries in the United States.

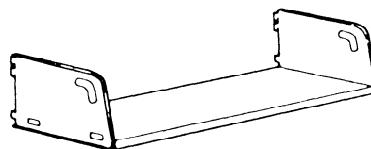
2. Definitions

Adder-section—See **Starter-adder construction**.

Anneal—To heat metal or glass, then cool to remove internal stresses and to make less brittle.

Bracket—The hooked brace supporting a cantilevered shelf. See Figure 1.

Figure 1. A bracket shelf with brackets (Courtesy Advance Manufacturing)



Canopy or top plate—An optional covering panel over a section or several sections of bracket shelving. See Figure 5.

Closed-base—Section construction in which a kickplate or strip closes the space between the floor and the base shelf. See Figure 2.

Figure 2. Bracket closed-base shelf (Courtesy Advance Manufacturing)

