

SINGAPORE STANDARD

**Code of practice for the construction,
care and safe use of shears**

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use of shears**

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SINGAPORE STANDARD
CODE OF PRACTICE FOR
THE CONSTRUCTION, CARE AND SAFE USE OF SHEARS

FOREWORD

This Code of Practice was drawn up by the Technical Committee for the Construction, Care and Safe Use of Shears under the authority of the Mechanical Engineering Industry Standards Committee.

The purpose of this code is to establish the safety criteria with respect to the construction, care and use of shears. The appropriate safeguards provided for the shears remains an important hardware for safety. The use and application of shears with careful attention will still be necessary in order to prevent any mishap. This Code will serve as a useful guide for all users, maintenance personnel and manufacturers of shears, and it shall be read in relation to the statutory requirements of the Factories Act, 1973 and other regulations in Singapore.

In preparing this code, reference was made to the following Acts and publications:

1. The Factories Act, 1973
2. The Employment Act, 1971
3. ANSI B11.4-1973 Safety Requirements for the Construction, Care and Use of Shears.
4. BS 5304 : 1975 Code of Practice for Safeguarding of Machinery.
5. AS 1893-1977 Code of Practice for the Guarding and Safe Use of Metal and Paper Cutting Guillotines.
6. "Safety in the Use of Guillotines and Shears" Booklet No. 33 by the Department of Employment and Productivity; Safety, Health and Welfare published by Her Majesty's Stationery Office.

Acknowledgement is made for the use of information from the above references.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

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1. SCOPE

1.1 General. The aim of this code is to establish safety requirements with respect to the construction, safeguarding, care and use of shears.

This code applies to machines constructed with a plate or cast-type ram, or both, bed, table, hold-down, and housings, utilizing one fixed and one moving nonrotary blade for the shearing action, and having a constant rake for any one shearing stroke. The standard applies to shears designed primarily for metal shearing. It also applies to shears designed for shearing other types of material and having the basic configuration just described.