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FLUID POWER SYSTEMS AND COMPONENTS—

CYLINDERS—IDENTIFICATION CODE FOR MOUNTING DIMENSIONS AND MOUNTING TYPES

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This Australian Standard was prepared by Committee ME/35, Fluid Power Systems and Components. It was approved on behalf of the Council of the Standards Association of Australia on 29 July 1985 and published on 6 September 1985.

The following interests are represented on Committee ME/35:

Australian Institute of Petroleum Ltd

Australian Mining Industry Council

Australian Pneumatic and Hydraulic Association

Bureau of Steel Manufacturers of Australia

Confederation of Australian Industry

Department of Defence

Department of Industrial Relations, N.S.W.

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PREFACE

This standard was prepared by the Association's Committee on Fluid Power Systems and Components. It is identical with and has been reproduced from International Standard ISO 6099, Fluid Power Systems and Components—Cylinders—Identification Code for Mounting Dimensions and Mounting Types. It is one of a number of Australian Standards in this field based on International Standards.

For the purpose of this Australian Standard, the text of the ISO Standard used herein should be modified as follows.

(a) *Terminology.* The words 'Australian Standard' should replace the words 'International Standard' wherever they appear.

(b) *Decimal comma.* The decimal point should replace the decimal comma wherever it appears.

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Fluid power systems and components — Cylinders — Identification code for mounting dimensions and mounting types

0 Introduction

In fluid power systems, power is transmitted and controlled through a fluid (liquid or gas) under pressure within an enclosed circuit. Systems and components are generally designed and marketed for a specific fluid pressure.

One component of such systems is the fluid power cylinder. This is a device which converts power into linear mechanical force and motion. It consists of a movable element, i.e. a piston and piston rod, operating within a cylindrical bore.

1 Scope and field of application

This International Standard specifies a conventional system for identifying fluid power cylinder dimensions and mounting dimensions thereof. Such a system will be composed of:

a) a letter code for identifying

— mounting dimensions

— envelope dimensions

— cylinder fitting dimensions;

b) a code for identifying cylinder mounting types.

This International Standard does not represent a standard list of all cylinder mounting types.

The codes indicated in this International Standard are also not to be considered as complete for the development of future interchangeability standards. It establishes uniform descriptions for dimensions and achieves a conformity of language.

Although this International Standard presents a code and a method of dimensioning, it is not intended that all dimensions shall be standardized.

The same codes can be used for analogous dimensions when this involves neither confusion nor misunderstanding.

2 Reference

ISO 5598, *Fluid power systems and components — Vocabulary.*[1)]

3 Definitions

For definitions of terms used, see ISO 5598.

1) At present at the state of draft.

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