

Fluid power systems and components — Cylinder-rod wiper-ring housings in reciprocating applications — Dimensions and tolerances

ICS 23.100.20

National foreword

This British Standard reproduces verbatim ISO 6195:2002 and implements it as the UK national standard. It supersedes BS 6852:1987 which is withdrawn. The UK participation in its preparation was entrusted to Technical Committee MCE/11, Fluid seals and their housings, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Surface texture

Recommendations for surface texture are included as National Annex NA (informative).

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Engineering Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 17 December 2002

Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 13, the National Annex NA page, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 17 December 2002

ISBN 0 580 40966 X

INTERNATIONAL STANDARD

**ISO
6195**

Second edition
2002-12-01

Fluid power systems and components — Cylinder-rod wiper-ring housings in reciprocating applications — Dimensions and tolerances

*Transmissions hydrauliques et pneumatiques — Logements de joints
racleurs pour tiges de piston à mouvement linéaire de vérins — Dimensions
et tolérances*



Reference number
ISO 6195:2002(E)

AVA Documents
Document Sharing Hub

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Letter symbols	2
5 General	2
6 Dimensions and tolerances	2
7 Surface finish	11
8 Lead-in chamfer	11
9 Identification statement (Reference to this International Standard)	12
Bibliography.....	13

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

International Standard ISO 6195 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 7, *Sealing devices*.

This second edition cancels and replaces the first edition (ISO 6195:1986), which has been technically revised.

Introduction

In fluid power systems, power is transmitted and controlled through a fluid (or gas) under pressure within an enclosed circuit. Wiper rings are used to prevent ingress of contaminants and thereby to protect the seals and bearings within the equipment.

This International Standard is one of a series of standards covering the dimensions and tolerances of housings.

