

# INTERNATIONAL STANDARD

**ISO**  
**10190**

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## **Motor cycle chains — Characteristics and test methods**

*Chaînes pour motocycles — Caractéristiques et méthodes de contrôle*



Reference number  
ISO 10190:1992(E)

## 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.

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.

International Standard ISO 10190 was prepared by Technical Committee ISO/TC 100, *Chains and chain wheels for power transmission and conveyors*.

Annex A of this International Standard is for information only.

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## **Introduction**

This International Standard has been produced to meet the increasing demands for different chains suitable for motor cycle applications; precision roller chains specified in ISO 606 do not necessarily have the required performance for motor cycle use.

The values given in this International Standard are derived from values in Imperial units; the original values are given in annex A for reference purposes.

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## Motor cycle chains — Characteristics and test methods

### 1 Scope

This International Standard specifies the dimensions and mechanical properties of roller and bush chains, in the range 6,35 mm to 19,05 mm pitch, for use in motor cycle applications. These chains are suitable for internal drives, for example camshaft, balancer and primary, and for external drives, for example rear drives.

It covers dimensions, tolerances, length measurement, proof-testing, minimum tensile strengths and dynamic testing.

### 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 606:—<sup>1)</sup>, *Short-pitch transmission precision roller chains and chain wheels.*

### 3 Motor cycle chains

#### 3.1 Nomenclature of assemblies and components

The nomenclature of chain assemblies and their component parts are illustrated in figures 1 and 2; the figures do not define the actual form of the chain plates.

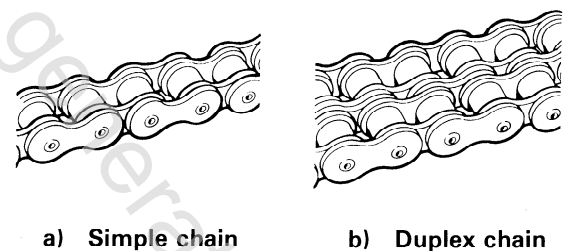


Figure 1 — Types of roller chain assembly

1) To be published. (Revision of ISO 606:1982)