
**Motorcycle chains — Characteristics and
test methods**

Chaînes pour motocycles — Caractéristiques et méthodes d'essai



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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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

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

This second edition cancels and replaces the first edition (ISO 10190:1992), which has been technically revised.

Introduction

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

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

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Motorcycle chains — Characteristics and test methods

1 Scope

This International Standard specifies the dimensions and mechanical properties of roller and bush chains (together with details of associated chain sprockets), in the range 6,35 mm to 19,05 mm pitch, for use in motorcycle applications. These chains are suitable for external drives (e.g. rear drives).

It covers dimensions, tolerances, length measurement, preloading, minimum tensile strength and minimum dynamic strength.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 286-2, *ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts*

ISO 606, *Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets*

ISO 15654, *Fatigue test method for transmission precision roller chains*

3 Motorcycle chains

3.1 Nomenclature of assemblies and components

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

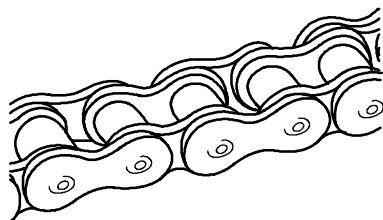


Figure 1 — Chain assembly