

INTERNATIONAL STANDARD

**ISO
6805**

Second edition
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Rubber hoses and hose assemblies for underground mining — Wire-reinforced hydraulic types for coal mining — Specification

*Tuyaux et flexibles en caoutchouc pour les mines souterraines — Types
hydrauliques avec armure de fils métalliques pour mines de charbon —
Spécifications*



Reference number
ISO 6805:1994(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 6805 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 6805:1984), which has been technically revised.

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International Organization for Standardization

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Rubber hoses and hose assemblies for underground mining — Wire-reinforced hydraulic types for coal mining — Specification

1 Scope

This International Standard specifies requirements for six types of embedded-wire hose and hose assembly of bore diameter from 5 mm to 51 mm for use with common hydraulic fluids such as mineral oils, soluble oils, oil and water emulsions, aqueous glycol solution and water at temperatures ranging from $-40\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$ for types 1 to 5 and from $-40\text{ }^{\circ}\text{C}$ to $+121\text{ }^{\circ}\text{C}$ for type 6. Operation at the extremes of or outside this temperature range may materially reduce the life of the hose. The hose is not suitable for use with fluids having a castor oil or ester base.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were 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 editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1402:—¹⁾, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 1436:1991, *Rubber hoses and hose assemblies — Wire-reinforced hydraulic type — Specification.*

ISO 1817:1985, *Rubber, vulcanized — Determination of the effect of liquids.*

ISO 3862:1991, *Rubber hoses and hose assemblies — Rubber-covered, spiral wire reinforced, hydraulic type — Specification.*

ISO 4671:1984, *Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions.*

ISO 4672:1988, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests.*

ISO 6803:1994, *Rubber or plastics hoses and hose assemblies — Hydraulic-pressure impulse test without flexing.*

ISO 6945:1991, *Rubber hoses — Determination of abrasion resistance of the outer cover.*

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions.*

ISO 8030:1987, *Rubber and plastics hoses for underground mining — Method of test for flammability.*

ISO 8031:1993, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance.*

ISO 8033:1991, *Rubber and plastics hose — Determination of adhesion between components.*

1) To be published. (Revision of ISO 1402:1984)