
**Building construction machinery and
equipment — Concrete pumps —**

**Part 2:
Procedure for examination of technical
parameters**

*Machines et matériels pour la construction des bâtiments — Pompes à
béton —*

Partie 2: Procédure pour la détermination des paramètres techniques



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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.

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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.

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ISO 21573-2 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 1, *Machinery and equipment for concrete work*.

ISO 21573 consists of the following parts, under the general title *Building construction machinery and equipment — Concrete pumps*:

- *Part 1: Terminology and commercial specifications*
- *Part 2: Procedure for examination of technical parameters*

Building construction machinery and equipment — Concrete pumps —

Part 2: Procedure for examination of technical parameters

1 Scope

This part of ISO 21573 specifies the procedure and requirements for examining the technical commercial specifications of concrete pumps as defined in ISO 21573-1.

It applies to mobile (with or without boom) and stationary concrete pumps.

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 21573-1, *Building construction machinery and equipment — Concrete pumps — Part 1: Terminology and commercial specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 21573-1 and the following apply.

3.1

single-roller rotary pump

concrete pump that discharges fresh concrete by squeezing an elastic tube by one rotating roller

3.2

double-roller rotary pump

concrete pump that discharges fresh concrete by squeezing an elastic tube between double rotating rollers

4 Test items of performances

The following performances are tested in this examination:

- a) pumping performance;
- b) hopper and mixing performance of the agitator;
- c) performance of the cleaning water pump;
- d) performance of the distributing boom;
- e) performance of the outrigger.