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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 25638.1-2010

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

建筑施工机械与设备 混凝土泵 第1部分：术语与商业规格

(English Translation)

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Foreword

GB/T 25638 "Building construction machinery and equipment Concrete pumps" is divided into two parts.

--- Part 1. Terminology and commercial specifications;

--- Part 2. technical inspection procedures.

This section GB/T 25638 Part 1.

This part identical with ISO 21573-1:2006 "Construction machinery and equipment - Concrete pumps - Part 1. Terminology and commercial regulations Grid "(in English).

This section is equivalent translation ISO 21573-1:2006.

For ease of use, this section also made the following editorial changes.

a) "ISO 21573-1 This part of" be replaced by "GB/T 25638 in this section";

b) Delete ISO 21573-1:2006 Foreword;

c) For ISO 21573-1:2006 international standard reference has been adopted as the equivalent of our national standards, the reference section of these Instead of the corresponding national standards with international standards (see Part 2);

d) For ISO 21573-1:2006 original editorial error, Contact with the ISO/TC195/SC1 Secretariat confirmed that this section the following modifications.

1) Table 1. "Fixed --- slide fixed/fixed place" item reference map "Figure A.11" to "Figure A.13";

- 2) 5.1. the quality of the footnote, the original "hal" to "half", translated as "the fuel tank is half full";
- 3) Figure A.7 in. no No. 16 "rubber pad 13, 14 pumping hose, the rotor 15, the drain 16" to "13 pumping glue Pipe, the rotor 14, 15 drain ";
- 4) Figure A.13. the size of the figure to the left of "H1" to "H".

This part is proposed by China Machinery Industry Federation.

This part of the National Construction Machinery and Construction Equipment Standardization Technical Committee (SAC/TC328) centralized.

This section is drafted. Beijing Construction Machinery Institute of Science and Technology Co., Ltd., Xuzhou Construction Machinery Research Institute, Shenzhen City, measuring Detection Co.

Division, Beijing Institute of Construction Mechanization.

1 Scope

This section GB/T 25638 specifies the construction site for concrete delivery concrete pumps - Terminology and commercial specifications.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 18576 Building construction machinery and equipment - Terms and definitions (ISO 11375:1998)

3 Terms and Definitions

GB/T 18576 and defined by the following terms and definitions apply to this document.

Piston concrete pump piston-typeconcretepump Piston delivers power to the concrete, which was pressed into the delivery pipe lines and/or hoses and transported out of concrete pumps.

See Figure A.1.

Crushed Concrete pump rotary-typeconcretepump by pressing device delivers power to the concrete, it is hard to squeeze into the delivery pipe and/or hose and transfer out of concrete pumps. See also

Figure A.6 ~ Figure A.9.

Stationary concrete pump stationary-typeconcretepump Concrete pump at the construction site of the long-term operation can be mounted on the slide, track or wheeled chassis. Referring to Figure A.13.

Concrete pump piston valve system piston-typeconcrete-pump'svalvesystem the valve system is mainly composed of the dispensing valve, dispensing valve and then click Close and open channel flow of concrete, the concrete from flowing into the hopper Coagulation Soil cylinder, and then flows from the concrete cylinder duct. See Figure A.2 ~ Figure A.5.

Note: While the inflow concrete cylinder from the hopper, the dispensing valve closes the discharge channel concrete cylinder.

Fabric arm distributingboom Concrete delivery pipe fitted with a foldable boom, and its role within the scope of the job is transferred to the concrete pouring stations.

Referring to Figure A.14.

NOTE: Cloth arm can be folded in a vertical plane, rotating about a vertical axis. Usually in the duct connected to the end of a garden hose to help the fabric.

Maximum pumping concrete aggregate size maximumapplicableaggregatesize Through concrete pump includes a conventional product with any of a pipeline continuously pumped without clogging of the most concrete aggregate Large particle size.