INTERNATIONAL STANDARD

ISO 16417

First edition
2020-11

Earth-moving machinery — Hydraulic breakers — Terminology and commercial specifications

Engins de terrassement — Brise-roche hydrauliques — Terminologie et spécifications commerciales

Reference number
ISO 16417:2020(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Terminology, commercial nomenclature, classification and ratings*.

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Earth-moving machinery — Hydraulic breakers — Terminology and commercial specifications

1 Scope

This document establishes the terminology and content of commercial specifications for hydraulic breakers which are mounted as an attachment on a carrier, typically earth-moving machinery such as an excavator, backhoe loader, skid steer loader, and compact loader as defined in ISO 6165; or mounted on a rig, pedestal boom system, demolition robot, etc., at the end of an arm.

Hydraulic breakers are typically used to demolish or break rock, concrete, brickwork, asphalt, etc.

This document does not cover breakers powered by pneumatic, thermomechanical, or electromagnetic energy. This document does not cover portable or hand-held breakers either.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
carrier
mobile or stationary machinery that provides power and a range of motion for the mounted item

Note 1 to entry: Mobile machinery is typically an excavator, backhoe loader, skid steer loader, or compact loader. Stationary machinery is typically a pedestal boom system, demolition robot, etc.

3.2
attachment
assembly of components that can be mounted onto the *carrier* (3.1) for specific use

[SOURCE: ISO 6746-2:2003, 3.5, modified — The term “base machine and equipment” has been replaced with “carrier”.]

3.3
hydraulic breaker
percussive hydraulic *attachment* (3.2) used for breaking up concrete, rock, brickwork, asphalt, etc.

3.3.1 Accumulator

3.3.1.1
hydraulic accumulator
pressure storage reservoir that enables a hydraulic system to cope with extremes of demand and to smooth out pulsations

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