
**Machinery for forestry — Operator
protective structures — Laboratory tests
and performance requirements**

*Machines forestières — Structures de protection de l'opérateur —
Essais de laboratoire et exigences de performance*



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Foreword

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ISO 8084 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

This second edition cancels and replaces the first edition (ISO 8084:1993), which has been technically revised.

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Machinery for forestry — Operator protective structures — Laboratory tests and performance requirements

1 Scope

This International Standard establishes a laboratory test method and performance requirements for operator protective structures (OPS) on forestry machines. It is applicable to mobile forestry machines as defined in ISO 6814 engaged in felling, processing, forwarding and skidding. The OPS are designed to provide reasonable protection from penetrating objects such as saplings, branches, broken winch lines and poking hazards in forestry work, but not from small, thrown objects such as chain teeth. Those OPS meeting the performance criteria will not provide complete operator protection under all conceivable circumstances, but are expected to minimize the possibility of operator injury in normal operational situations.

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 3164, *Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume*

ISO 6814, *Machinery for forestry — Mobile and self-propelled machinery — Terms, definitions and classification*

3 Terms and definitions

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

3.1

operator protective structure **OPS**

system of structural members arranged in such a way as to minimize the possibility of operator injury from penetrating objects (such as whipping saplings, branches and broken winch lines)

3.2

roll-over protective structure **ROPS**

system of structural members whose primary purpose is to reduce the possibility of a seat-belted operator being crushed should the machine roll over

NOTE These structural members include any subframe, bracket, mounting, socket, bolt, pin, suspension or flexible shock absorber used to secure the system to the machine frame, but exclude mounting provisions that are integral with the machine frame.