

## STANDARD INFORMATION

**If the project requires any changes to the Certification Data Report outside of Section 1, then this SUN applies.**

**Standard:** ANSI / OPEI B175.1

**Standard ID:** American National Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements [ANSI/OPEI B175.1:2025]

**Previous Standard ID:** American National Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements [ANSI/OPEI B175.1:2021]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **June 23, 2028**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** No action is required for currently certified products. If modifications to the product after the effective date require an evaluation and/or testing, then the product must undergo re-evaluation to the new requirements.

### Overview of Changes:

- New requirements related to throttle lock out and clutch
- Changed evaluation requirements regarding the Computed Kickback Angle (CKA) for saws  $\geq 3.8$  c.i.d. (62.3 cc)

Specific details of new/updated requirements are found in table below

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



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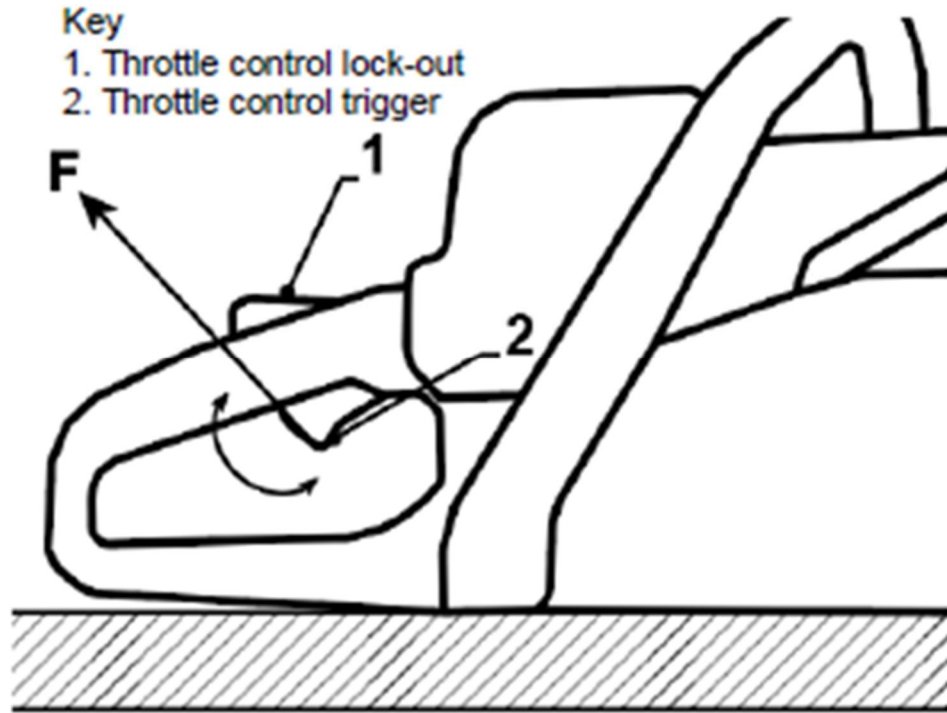
CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
5.1.1		<b><i>New section added;</i></b> <b>Clutch</b> <b>Requirements</b>
5.1.1.1		The chain saw shall have a clutch so designed that the saw-chain does not move continuously when the engine rotates at any speed less than 1.25 times the idling speed. Saw-chain movement is not considered continuous if the saw-chain movement includes interruptions in rotation.
		<b>Verification</b>
5.1.1.2		Correct operation of the clutch shall be verified by inspection when the engine speed is increased to 1.25 times the highest idling speed specified in the operator's manual.
5.1.3	Info	<b>Throttle control lockout</b> <b>Requirements</b>
		A throttle control lockout shall be provided. The throttle control lockout shall be constructed so that it must be actuated before the throttle control trigger can be activated.
5.1.3.1		When the throttle control system is locked out, the throttle control valve shall be in the idle position unless a throttle control latch is engaged (for starting). The throttle control lockout shall not prevent the engine from returning to idle speed.  <u>The engine speed shall not increase to a point where the clutch engages and saw chain movement begins when the throttle control system is locked out and a force is described in 5.1.3.2 below is applied to the throttle trigger.</u>
		<b>Verification</b>
5.1.3.2	Info	The throttle control lockout function shall be verified by applying a force equal to 50 N ± 2 N (11.24 lbf ± 0.45 lbf), or half the dry weight of the unit, whichever is higher, on the throttle control trigger with the throttle control lockout engaged. During the test, the handle shall be fixed without contacting the throttle control lockout. The force shall be applied gradually to the throttle control trigger in the direction of travel and held for 5 s ± 1 s. For a pivoting throttle control trigger, the force shall be applied at the point furthest from the pivot, and for a linear operating throttle control trigger, the force shall be applied at the midpoint if the throttle control trigger. See Figure 4 and 5.



CLAUSE	VERDICT	COMMENT
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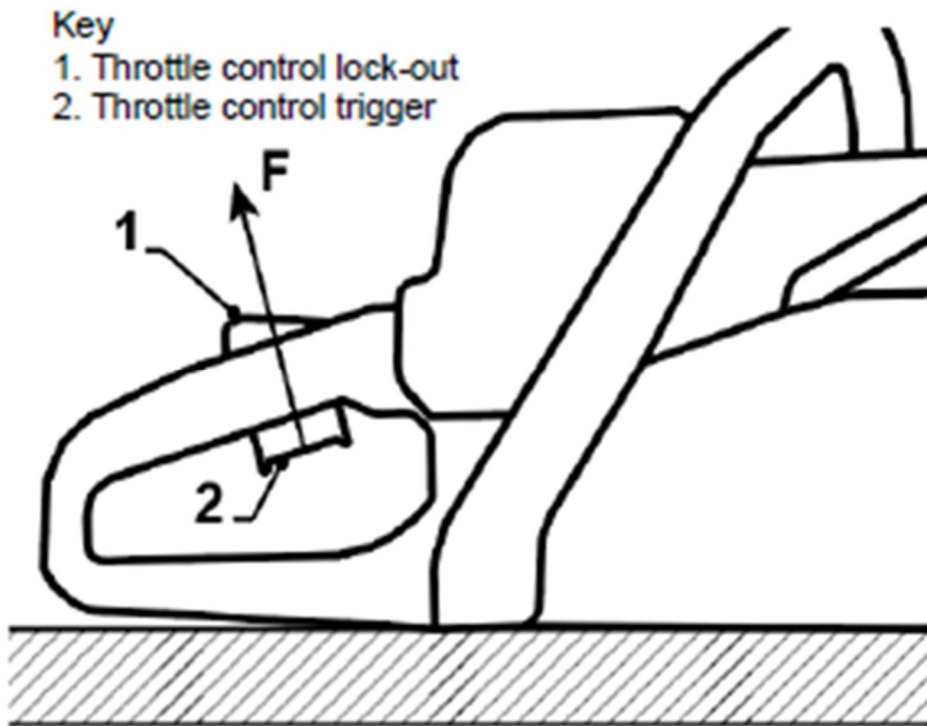
Pivoting throttle control trigger

Figure 4 Info



Linear throttle control trigger

Figure 5 Info





CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
		<b>Rear handle chain saws 3.8 c.i.d. (62.3 cc) and above</b>
5.15.2.2		<p>Rear handle chain saws 3.8 c.i.dc (62.3 cc) and above shall be equipped with at least one feature such as a bar tip guard, a chain brake, a reduced-kickback guide bar, a low-kickback saw chain. Or other features demonstrated to reduce significantly the risk of injury from a kickback. This is in addition to the front hand guard requirement in 5.12.4.</p> <p>Note – In accordance with clause 5.15.1, it is not required that rear handle chain saws 3.8 c.i.d. and above be evaluated for computed kickback angles. However, clause 11.1(h) includes operator’s manual requirements and clause 12.2.3(b) includes on-product marking requirements if kickplate performance for these chain saws if they do not meet the requirements of clauses 5.15.2.1(b). As a result, manufacturers may additionally evaluate these chain saws in accordance with 5.15.2.1(b).</p>

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