American National Standard
For Power Tools –

Gasoline-Powered Chain Saws - Safety Requirements

Secretariat
Portable Power Equipment Manufacturers Association

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Contents

Foreword .............................................................................. iv
1. Scope and Purpose .......................................................... 1
2. Normative References..................................................... 1
3. Definitions....................................................................... 2
4. Responsibility................................................................... 4
5. General Specifications..................................................... 4
6. Chain saw sound level test procedures............................ 18
7. Vibration level test procedure.......................................... 21
8. Kickback test procedure.................................................. 25
9. Mathematical simulation of kickback................................. 37

Tables
1. Front Handguard Gauge Specifications................................ 8
2. Replacement saw chain test sample.................................... 13
3. Balance.......................................................................... 16
4. Attenuation factors for 1/3 octave band center frequencies.... 23
5. Test sequence.................................................................. 32
6. Optional test sequence.................................................... 33

Figures
1. Handle strength test loads.................................................. 53
2. Handle clearance and sizes............................................... 54
3. Bow guide guard............................................................ 55
4.1. Definition of reference point X₀ .................................................. 56

4.2a. Front hand guard width (W₁) Machine viewed from the rear ............ 57

4.2b. Line between X₀ and rearmost part of the unprotected saw chain .......... 57

4.3. Front hand guard height over the front handle (H₁ and H₁A) (Machine viewed from the right side) .................................................. 57

4.4. Clearance between the front hand guard and the saw body (H₂) and Openings in the front hand guard (H₃) (Machine viewed from the front) .... 58

4.5. Clearance between the front handle and the front hand guard (R₁ and R₂) (Machine viewed from the right side) ........................................ 58

5. Chain brake test pendulum and test sequence ...................................... 59

6. Illustration of computed kickback angle .............................................. 60

7. Guide bar nose definition ....................................................................... 61

8. Chain saw operation .............................................................................. 61

9. Weighting filter frequency attenuation curve ......................................... 62

10. Accelerometer mounting locations and weighted acceleration sum (WAS) 63

11. Chain saw handle and bar tip coordinates ............................................. 64

12. Saw chain tension adjustment ............................................................... 64

13. Installation of saw and cradle assembly in kickback machine ............... 65

14. Location of rack/horizontal restraining system assembly ....................... 66

15. Adjustment of cable of rotary restraining assembly ............................... 67

16. Chain brake actuation diagram ............................................................. 68

17. MDF exit angle measurement ............................................................... 69

B.1 Chain saw diagram with nomenclature .............................................. 73

D.1 Three-wire facility for measuring inertia of the chain saw .................... 81

D.2 Single-wire facility for measuring inertia of the chain saw .................... 82
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.3</td>
<td>Calibration of inertia platform</td>
<td>83</td>
</tr>
<tr>
<td>D.4</td>
<td>Calibration of single-wire device for measuring inertia of the chain saw.</td>
<td>83</td>
</tr>
<tr>
<td>E.1</td>
<td>Balancing procedure – Addition of bracket</td>
<td>85</td>
</tr>
<tr>
<td>E.2</td>
<td>Balancing procedure – Addition of connection rod</td>
<td>86</td>
</tr>
<tr>
<td>E.3</td>
<td>Balancing procedure – Addition of countermass</td>
<td>87</td>
</tr>
<tr>
<td>J.1</td>
<td>Kickback test record</td>
<td>94</td>
</tr>
<tr>
<td>J.2</td>
<td>Chain saw installation and balancing test record</td>
<td>95</td>
</tr>
</tbody>
</table>

**Annexes**

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Rationale</td>
<td>70</td>
</tr>
<tr>
<td>B</td>
<td>Chain saw nomenclature</td>
<td>72</td>
</tr>
<tr>
<td>C</td>
<td>Safety precautions for chain saw users</td>
<td>74</td>
</tr>
<tr>
<td>D</td>
<td>Chain saw center of gravity and inertia measurements</td>
<td>76</td>
</tr>
<tr>
<td>E</td>
<td>Kickback machine – Chain saw balancing procedure</td>
<td>84</td>
</tr>
<tr>
<td>F</td>
<td>Kickback machine – Horizontal system</td>
<td>88</td>
</tr>
<tr>
<td>G</td>
<td>Kickback machine – Rotary system (with saw in place)</td>
<td>90</td>
</tr>
<tr>
<td>H</td>
<td>Velocity adjustment</td>
<td>92</td>
</tr>
<tr>
<td>J</td>
<td>Kickback fixture test record</td>
<td>93</td>
</tr>
<tr>
<td>K</td>
<td>Index to chain saw labeling requirements</td>
<td>96</td>
</tr>
<tr>
<td>L</td>
<td>Bibliography</td>
<td>97</td>
</tr>
</tbody>
</table>
Foreword (This foreword is not part of American National Standard B175.1-2000.)

This standard sets forth the minimum safety requirements for gasoline-powered chain saws. These requirements have resulted from several years of standards development effort by the ANSI B175 Accredited Standards Committee. The original standard was approved in 1979 and revised in 1983, 1985, and 1991.

The changes in this revision include: addition of the requirement for a chain catcher; increased tank filler opening sizes; a revision to the method of measuring front hand guard clearances; changes to vibration and chain brake performance requirements; refinements to test procedures for sound, vibration and kickback; an update of the programming language used for calculation of Computed Kickback Angle; and revision of requirements for instruction manuals.

This standard contains eleven annexes, ten of which are informative and are not considered part of this standard. Annex C, Safety precautions for chain saw users, is normative and is considered part of this standard.

Suggestions for improvement of this standard are welcome. They should be sent to the Secretariat, ASC B175 Committee, 4340 East West Highway, Suite 912, Bethesda, MD 20814.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee B175. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the B175 Committee had the following members:

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American National Standard for Power Tools —
Gasoline-Powered Chain Saws — Safety Requirements

1 Scope and purpose

1.1 Scope
The requirements of this standard apply to portable, hand-held, gasoline-powered chain saws for use primarily in cutting wood.

NOTE — Metric units are included for information only.

1.2 Purpose
The purpose of this standard is to establish minimum safety requirements with respect to the manufacture of portable, hand-held, gasoline-powered chain saws.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI S1.4-1983 and its supplement ANSI S1.4A-1985, Specification for sound level meters

ANSI S2.11-1969 (R1986), Methods for specifying the characteristics of auxiliary equipment for shock and vibration measurement

ANSI/SAE J184-FEB87, Qualifying a sound data acquisition system