ANSI O5.3-2026

Solid Sawn Wood Crossarms, Braces, and Ground Wire Moulding: Specifications and Dimensions

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ANSI O5.3-2026 – Solid Sawn Wood Crossarms, Braces, and Ground Wire Moulding: Specifications and Dimensions

is an American National Standard developed by **ASC O5 – Wood Utility Products.**

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American National Standard for Wood Utility Products

Solid Sawn Wood Crossarms, Braces, and Ground Wire Moulding: Specifications and Dimensions

Secretariat
American Wood Protection Association, Inc.

Approved September 29, 2026
American National Standards Institute, Inc.

Foreword

This American National Standard establishes specifications and dimensions for solid sawn wood crossarms and braces manufactured from coastal Douglas-fir grown in the West Coast region and from dense Southern pine, as well as wood ground wire moulding manufactured from Douglas-fir or red oak.

This standard was developed by Accredited Standards Committee O5 – Wood Utility Products (ASC O5) under the procedural administration of the American Wood Protection Association (AWPA). ASC O5 was organized in December 1924 and has produced revisions of this standard from time to time as required or deemed beneficial. This standard supersedes American National Standard ANSI O5.3-2021.

Suggestions for improvement of this standard will be welcomed. They should be sent to ASC O5 through its Secretariat: American Wood Protection Association, 2430 US Highway 27, STE 330-223, Clermont, FL, USA <https://awpa.com>.

This standard was processed and approved for submittal to ANSI by ASC O5. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it processed and approved this standard, ASC O5 had the following leadership and members:

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American National Standard for Wood Utility Products

Solid Sawn Wood Crossarms, Braces, and Ground Wire Moulding: Specifications and Dimensions

1 Scope & organization

1.1 Scope

This standard consists of specifications covering solid sawn-wood crossarms and braces manufactured from coastal Douglas-fir *(Pseudotsuga menziesii* - variety *menziesii)* grown in the West Coast region (i.e., from the summit area of the Cascade Mountains of Washington, Oregon, California, and British Columbia, Canada) to the Pacific Ocean; and from dense Southern pine of the following species: longleaf pine *(Pinus palustris),* shortleaf pine *(Pinus echinata),* loblolly pine *(Pinus taeda),* and slash pine *(Pinus elliottii)*, as well as ground wire moulding manufactured from Douglas-fir *(Pseudotsuga menziesii)* or red oak *(Quercus rubra group)*. The specifications are intended to cover communications crossarms, power crossarms, heavy-duty crossarms, heavy-duty braces, and ground wire moulding. Crossarms are intended primarily for use as beams. Heavy-duty crossarms may also be used as struts or columns in braced H-frames. Braces are used for tension and/or compression-bracing. Ground wire moulding is used to protect the ground wire at the base of the pole.

1.2 General organization of the standard

This standard is divided into four parts:

(1) Part I: General requirements and options that are applicable to all crossarms and braces.

(2) Part II: Specific requirements and options relating to crossarms and braces manufactured from Douglas-fir.

(3) Part III: Specific requirements and options relating to crossarms and braces manufactured from dense Southern pine.

(4) Part IV: Requirements for the quality and dimensions of wood moulding used to protect ground wires on utility pole structures.

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.

ASTM D9-20, *Standard terminology relating to wood and wood-based products*.[1)]

ASTM D198-22a, *Standard test methods of static tests of lumber in structural sizes*.[1)]

ASTM D2915-25, *Standard practice for sampling and data-analysis for structural wood and wood-based products*.[1)]

AWPA U1-25, *User specification for treated wood*.[2)]

AWPA M6-24, *Brands used on preservative treated materials*.[2)]

AWPA T1-25, *Processing and treatment standard*.[2)]

[1)] Available from ASTM International < www.astm.org >.

[2)] Available from American Wood Protection Association (AWPA) < www.awpa.com >.