



# ANSI O5.3-2015

## Solid Sawn Wood Crossarms and Braces: Specifications and Dimensions

AMERICAN NATIONAL STANDARD FOR WOOD UTILITY PRODUCTS



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## ANSI O5.3-2015, Solid Sawn Wood Crossarms and Braces: Specifications and Dimensions

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American National Standard for Wood Utility Products

**Solid Sawn Wood Crossarms and Braces:  
Specifications and Dimensions**

Secretariat  
American Wood Protection Association, Inc.

Approved January 9, 2015  
American National Standards Institute, Inc.

## ANSI O5.3-2015

### 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.

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 O5.3-2008.

Suggestions for improvement of this standard will be welcomed. They should be sent to ASC O5 through its Secretariat: American Wood Protection Association, P.O. Box 361784, Birmingham, AL 35236 <[www.awpa.com](http://www.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 Poles and Wood Products --

Solid Sawn-Wood Crossarms & Braces –  
Specifications & Dimensions

## Part I -- General requirements

## 1 Scope &amp; 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 elliotii*). The specifications are intended to cover communications crossarms, power crossarms, heavy-duty crossarms, and heavy-duty braces. 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, compression-bracing, or both.

## 1.2 General organization of the standard

This standard is divided into three parts:

- (1) Part I: General requirements and options that are applicable to all crossarms and braces covered in this standard are specified in Part I;
- (2) Part II: Specific requirements and options relating to crossarms and braces manufactured from Douglas-fir are specified in Part II; and
- (3) Part III: Specific requirements and options relating to crossarms and braces manufactured from dense Southern pine are specified in Part III.

## 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 D9-12, *Standard terminology relating to wood and wood-based products*.<sup>1)</sup>

ASTM D 198-03, *Standard methods of static tests of lumber in structural sizes*.<sup>1)</sup>

ASTM D 1915-10, *Standard practice for evaluating allowable properties for grades of structural lumber*.<sup>1)</sup>

AWPA U1-14, *User specification for treated wood*.<sup>2)</sup>

AWPA M6-13, *Brands used on forest products*.<sup>2)</sup>

<sup>1)</sup> Available from ASTM International < [www.astm.org](http://www.astm.org) >.

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