



O5.3.2008

**SOLID SAWN-WOOD CROSSARMS & BRACES –
SPECIFICATIONS & DIMENSIONS**

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O5.3.2008, *Solid Saw Wood Crossarms & Braces – Specifications & Dimensions*

Is an American National Standard developed by the **ASC O5 – Wood Poles and Wood Products**.

Published by
American Wood Protection Association
P.O. Box 30774
Birmingham, AL 35236

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Printed in the United States of America.

ANSI O5.3.2008

American National Standard for Wood Poles and Wood Products

**SOLID SAWN-WOOD CROSSARMS & BRACES –
SPECIFICATIONS & DIMENSIONS**

Secretariat

American Wood Protection Association

Approved July 15, 2008

American National Standards Institute, Inc.

Abstract

This standard consists of specifications covering solid sawn-wood crossarms and braces manufactured from coastal Douglas-fir grown in the West Coast region and from dense Southern pine.

FOREWORD

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This standard was developed by Accredited Standards Committee O5 on Specifications for Wood Poles (ASC O5) under the sponsorship of the American Wood Protection Association (AWPA). This Committee was organized in December 1924 and has produced revisions of this pole specification from time to time as required or deemed beneficial. This standard supersedes American National Standard O5.3-2002.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this standard will be welcome. They should be sent to ASC O5 Secretariat, c/o AWPA P.O. Box 361784, Birmingham, AL 35236 <www.awpa.com>.

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee O5 on Specifications for Wood Poles. Committee approval of the standard does not necessarily imply that all Committee members voted for its approval.

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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 & 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*) growing in the West Coast region (i.e., from the summit area of the Cascade Mountains of Washington, Oregon, California, and British Columbia, Canada); 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*). The specifications are intended to cover communication 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.