

## SCHEDULE 9

### SECTION 909-TREATED WOOD FENCE POSTS SPECIFICATIONS

**909.01 General** - This Section covers the quality and manufacture of wood fence and gateposts, braces and droppers.

Wood posts and the like for fences and gates shall be supplied pressure treated in the sizes, species and grading all as required by the Purchase Order, Work Order, Contract Drawing or Specifications in conformity with this Section and as generally shown on the applicable SP741 Drawings.

**Note:** CSA Standards may be obtained from:

Canadian Standards Association,  
13799 Commerce Parkway  
Richmond, BC  
V6V 2N9

<http://www.csa.ca>

**909.02 Species** - Round fence posts (including line, straining, corner, intersection, gate and end posts) and any required round wood braces and droppers shall be Lodge Pole Pine (Western Jack Pine) cut from sound trees. Use of other species must be approved in writing by the Ministry Representative (cedar, either split or whole, will not be approved).

#### **909.03 Size and Measurement**

**a)** Round fence posts and braces shall be classified as to size on the basis of the smaller diameter and length. The diameter specified shall be minimum with a tolerance of +20 mm and the length shall not vary by more than 25 mm from that specified.

**b)** The maximum permitted taper shall be such that the larger diameter shall not exceed that of the specified diameter by more than 25 mm over a 2 m length of post or brace. The maximum permitted taper shall be proportional for posts and braces of lengths other than 2 m.

**c)** All dimensions shall apply inside the bark and to the fully seasoned and treated fence posts or braces.

**d)** In cases where the post or brace is not truly circular, the diameter shall be obtained by measuring the circumference and dividing by 3.14.

#### **909.04 Prohibited Defects**

All round fence posts and braces shall be free of the following defects:

- Decay
- Shakes in the top or butt
- Cracks, splits, through checks
- Spike knots and knot clusters
- Unsound scars
- Reverse sweep

#### **909.05 Limited Defects**

All round fence posts and braces are permitted limited defects as follows:

- Seasoning checks less than 10 mm in width if less than 500 mm in length, or less than 5 mm in width if more than 500 mm in length
- Sound scars permitted except within 150 mm from the ends
- Sound, tight, well-spaced knots permitted provided they do not exceed 35 mm in diameter
- Sweep less than 2% of the length of the post
- Short crook less than 2% of the length of the post
- Insect damage consisting of holes 1.6 mm or less in diameter and surface scoring or channelling are permitted. All other forms of insect damage are prohibited.

**Note:** Defects listed above are as defined in SS 906 - Appendix A.

#### **909.06 Manufacturing Requirements - Round Fence Posts and Braces**

Ends of posts and braces shall be cut square to the specified length and unless otherwise specified on the Purchase Order, Work Order, or Drawings, one end of posts shall be machine pointed before treatment to permit driving of posts. The diameter at the point shall be not less than 18 mm and not more than 35 mm, and the taper shall extend over a length of 150 mm to 200 mm of the post, or opposite sides shall be tapered to a "chisel point" of similar basic dimensions.

Posts and braces shall be clean peeled with minimum removal of sapwood for their full length and all rough bark and inner bark removed.

All knots or projections shall be shaved smooth and flush with the surface of the surrounding wood.

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All round fence posts and braces shall be air seasoned in accordance with CSA Standard O80-M1 Para. 1.31 to a moisture content of 15% to 22% before pressure treatment. In exceptional circumstances, the Ministry Representative may permit conditioning by steaming for a total of not more than six hours at a temperature not in excess of 115°C.

**909.07 Sawn Lumber Posts and Braces** - Gate posts and braces not stipulated as round, together with any anchor cleats shall be Standard and better S4S Lodgepole Pine/Western Jack Pine or Coast Douglas Fir, to the current N.L.G.A. grading rules and in the required lengths and sizes.

**909.08 Fence Droppers** Wood droppers to stabilize barbed wire fencing (Type C) between posts may be:

- Round Fence Posts Lodgepole Pine/Western Jack Pine of 50 mm (smaller) diameter, or
- 25 mm x 50 mm Sawn Lumber, Standard and better S4S Lodgepole Pine/Western Jack Pine or Coast Douglas Fir, to the current N.G.L.A. grading rules.

All droppers 1100 mm ± 25 mm long for 4-wire Type C fences and 1200 mm ± 25 mm for Type C and C2 fences shall be selected for freedom from knots and other imperfections injurious to strength.

Approved proprietary grooved wood droppers with necessary wire clips may be specified or approved for high-tensile smooth-wire fencing.

**Note:** For Type C fencing proprietary prefabricated galvanized sheet metal and clip droppers may be approved as an alternative to the above wood droppers. Galvanized twisted wire fence stays may be specified or permitted only for the extension of normal fence heights to deer height and the like.

**909.09 Pressure Treatment** - All fence posts, braces,

anchor cleats, and droppers shall be pressure treated in accordance with CSA Standard O80, except that the sample zone for assay shall be 0 to 16 mm from the surface and the requirement that all borings for use in the extraction sample shall have at least 25 mm of sap wood shall be waived. If species other than Lodgepole Pine are approved, these exceptions may be altered.

**909.10 Inspection** - All processing of the material shall be open for inspection by the Ministry Representative or the Ministry Representative's authorized inspector and they shall have free entry to the treating plant while the work is being performed.

No material shall be shipped prior to inspection or the written release for shipment by the Ministry Representative.

Material inspected before shipment shall not bar its subsequent rejection after delivery if found to fail any requirements of this Specification. Rejected material shall be replaced at the Supplier's expense including shipping charges and removal of rejected materials, if applicable.

**Note:** Inspection of material already in bundles ready for shipment shall be considered as "incomplete", and the material will be subject to final inspection by the Ministry Representative only when the bundles are opened immediately prior to use.

The Supplier shall advise the Ministry Representative at least two full working days before the material is ready for inspection prior to shipment. A Supplier in a distant location or outside B.C. shall advise the Ministry Representative at least one full week before the material is ready for inspection prior to shipment. After inspection the Ministry reserves the right to conduct whatever tests are deemed necessary to confirm that the material complies with the requirements of this Specification before a release for shipment is issued.