



## SPECIFICATIONS

Circular posts of the following species and grades are acceptable as described in American Softwood Lumber Standard PS-20.

Species	Grade
Southern Pine	No. 2
Douglas Fir	No. 2
Western Hemlock	No. 1
Ponderosa Pine	No. 2
Red Pine	No. 2
Western Red Cedar	No. 1

All timber sign posts shall receive a preservation treatment suitable for ground contact exposure in accordance with AASHTO M133. The preservative shall be applied after the sign post cut. When required, breakaway holes may be pre-drilled or drilled in the field.

Inertial properties shown below are based on the actual dimensions of the post as measured at the groundline. Circular wood posts generally have a significant taper such that the base of the post may be much larger than the top. It is very important to ensure that the post has the specified dimensions at the groundline otherwise the system may not perform correctly.

Designator	Diameter (mm)	Area (10 <sup>3</sup> mm <sup>2</sup> )	I <sub>x</sub> (10 <sup>6</sup> mm <sup>4</sup> )	S <sub>x</sub> (10 <sup>3</sup> mm <sup>3</sup> )
PDP30	102	8.2	5.3	104
PDP31	114	10.2	8.3	145
PDP32	127	12.7	12.8	201
PDP33	152	17.9	26.2	345
PDP34	165	20.6	36.3	440
PDP35	178	22.8	49.0	550
PDP36	191	24.8	64.2	672

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

### INTENDED USE

These posts are used in the direct burial circular wood post small sign support system (SSF21a). While the post may be embedded directly in the soil, many states embed the post in soilcrete or concrete to enhance the breakaway performance of the system.

### REFERENCE

L. A. Staron, "Breakaway Wood Posts," Geometric and Roadside Design Acceptance Letter SS-27, Federal Highway Administration, May 15, 1992.

## CIRCULAR TIMBER SIGN POST

# PDP30-36

SHEET NO.

DATE

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