



ALBERTA  
PACIFIC  
FOREST INDUSTRIES INC

# AL-PAC LOG MANUFACTURING SPECIFICATIONS

## ISO VERSION 7

### Acceptable Trees

Aspen Poplar, Balsam Poplar (Bam), White Birch, White Spruce, Black Spruce, Jackpine, Lodgepole Pine, Tamarack, Balsam Fir

### Sorting

Deciduous: Aspen Poplar, Balsam Poplar, White Birch  
Coniferous: White Spruce, Black Spruce, Jackpine, Lodgepole Pine, Tamarack and Balsam Fir

### Diameter

Minimum: Butt: 15 cm (5.91 inches i.b.)  
Top: deciduous - 5 cm (2 inches i.b.)  
coniferous pulp - 5 cm (2 inches i.b.)  
coniferous sawlogs - 10 cm (4 inches i.b.)  
Any merchantable piece (8 ft) beyond the point of heavy branching must be utilized.

### Length

Minimum: Tree - 4.88 m (16 ft)  
Piece (felled wood) - 2.44 m (8 ft)

Cut-to-Length: Pulp: 32 Foot  
Minimum length - 2.44 m (8 ft)  
Maximum length - 9.9 m (32 ft 6 in)

37 Foot  
Minimum length - 2.44 m (8 ft)  
Maximum length - 11.6 m (38 ft)

Sawlog: As specified by the Company Representative at time of harvest.

Tree Length Maximum: 23.5 m (77 ft) longer logs must be bucked so the top log at least makes minimum piece size.

Tree Length Minimum: Majority of wood must be greater than 16.8 m (55 ft) in length.  
Contact Supervisor or Company Representative at time of harvest.

### Foreign debris

All loads shall be free of any foreign debris including but not limited to rocks, plastic, ribbon, metals and stumps.

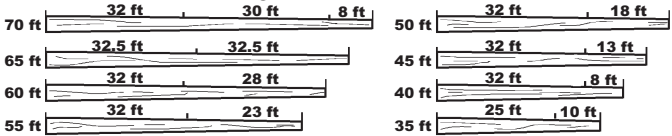
**Conifer processing:** When processing conifer sawlogs and peelers, logs must be bucked to within the specified tolerance on the length as directed by the Company Representative.

Conifer logs must be processed to sawlog spec unless otherwise specified by a company representative.

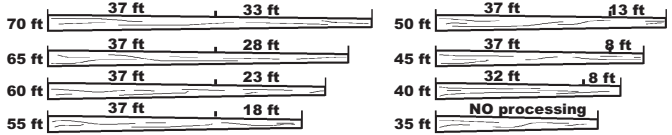


## Preferred cuts based on merchantable length

Cut-to-Length - Maximize 9.75 m (32 ft)



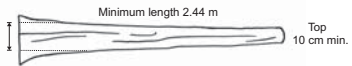
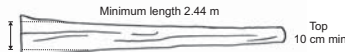
Cut-to-Length - Maximize 11.28 m (37 ft)



### Piece Length:

Top at 5 cm (2 inches i.b.) or point of heavy branching for pulp. Butt 15 cm min.

Top at 10 cm (4 inches i.b.) or point of heavy branching for sawlog. Butt 15 cm min.



### Flares (pulp):

Maximum diameter 90 cm (36 inches).

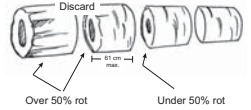
### Flares (sawlog):

Not to exceed 10 cm (4 inches) of flare.



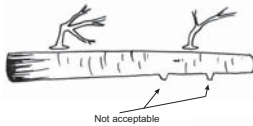
### Rot:

Maximum of 50% of the cut end basal area. 61 cm (24") maximum bucking intervals to obtain 50% sound wood.



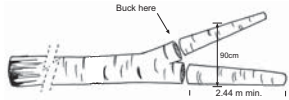
### Limbs/Limb Stubs:

Must cut flush with bole/stem of log.



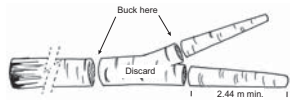
### Forks (pulp):

Must be bucked out of log. Pieces above fork must meet minimum piece size requirements. Maximum diameter 90 cm (36")



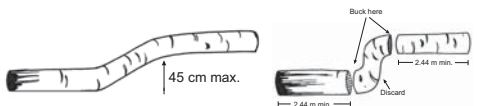
### Forks (sawlog):

Must be bucked out of log. Pieces above fork must meet minimum piece size requirements.



### Crook:

Not to exceed 45 cm in depth.



### Other:

Buck out shattered ends, burls, and burnt wood.

### Decking:

Butt end of logs must be within 15 cm (6 inches) of deck face. \*Deck face must be within 2 m (6 ft) of road surface and must follow alignment of road. \*Decks are not to be located in steep depressions. \*Loader space of a minimum of 5 m (16 ft) must be provided at both ends of the deck and between sorts. \* No standing trees within the decks or loader space. \* Oversize logs processed by hand must be forwarded and piled flush with deck face. \* Decks must be a minimum of 1 truck load in size.