



LUVIA

QUALITY CLASS DESCRIPTION

Spruce/Pine (Picea Abies /Pinus Sylvestris)



MEASUREMENT GUIDELINES / DEFINITIONS

Knots

The measurement is done on the point of the biggest diameter, without taking the starting year rings of the knot into consideration.

Healthy knots = are highly crooked with the surrounding wood mass.



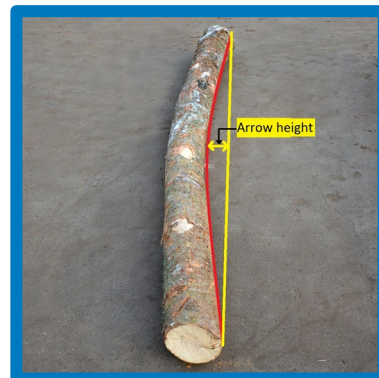
Dropping knot = are not crooked with the surrounding wood mass; regularly with bark around the knot.



Curvature, Crookedness

Curvature is the deviation of the longitudinal axis from the straight line. The curvature is measured electronically and can be one- or two-sided.

One-sided curvature is defined with only one bending. Two-sided curvature can show two or more bends in one or multiple plans. Round wood is considered as curvature when the curvature is more 1 cm per 1 running meter.



Taper

Taper is a decreasing of the diameter with the length of the log. Round wood is considered as conical when the diameter drops more than 1 cm per 1 running meter. Taper is electronically measured and given in cm/running meter.

Cracks

Relevant are frontal and core cracks and cracks on the lateral surface. Logs with just superficial frontal and core cracks are not downgraded, whereas logs with deep frontal and core cracks and also cracks on the lateral surface are downgraded.



Crack on the lateral surface



Superficial frontal core crack

Insects

Relevant are beetles, lineatus and wood wasps.



Metal Logs

Logs, which are not free from metallic foreign bodies. Metal logs cannot be accepted as saw logs.

Colorations / rots

Relevant are blue stain, which is not allowed.



Rots are divided into hard- (nail-proof) and soft- (not nail-proof) rot.



Rejects

Logs which are not sawable must be classified as rejects, based on the classes, and limiting values.



Classes and limiting values

Description	Spruce	Pine
Healthy knot	< 5 cm	<7 cm
Dropping knots	<3 cm	<5 cm
Conicity, taper	Allowed	Allowed
Crook	Max 1 cm per running meter	Max 1 cm per running meter
Rot	Not allowed	Not allowed
Ring shake	Not allowed	Not allowed
Cracked watercore/wetwood	Not allowed	Not allowed
Blue stain	Not allowed	Not allowed
Insect holes	Not allowed	Not allowed
Big knot with acute angle	Not allowed	Not allowed
Max bottom diameter	65 cm	65 cm
Foreign material	Not allowed	Not allowed

Contact

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