Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

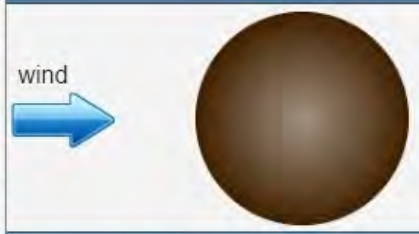
Choose File No file chosen

Crown width [m] *

15

Cross-section

closed - 100%



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

5.87

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

closed - 60% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

5.58

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

closed - 40% remaining

Rotate loading axis

0°

Alignment of opening

in loading axis

Open diagram

Choose File No file chosen

Stem safety factor

4.99

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

closed - 20% remaining

Rotate loading axis

0°

Alignment of opening

in loading axis

Open diagram

Choose File No file chosen

Stem safety factor

3.07

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

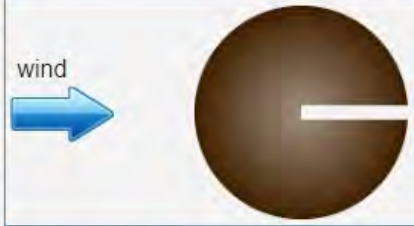
Choose File No file chosen

Crown width [m] *

15

Cross-section

5% opening - 100%



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

5.58

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

5% opening - 60% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

4.99

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

5% opening - 40% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

4.4

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

5% opening - 20% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

2.8

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

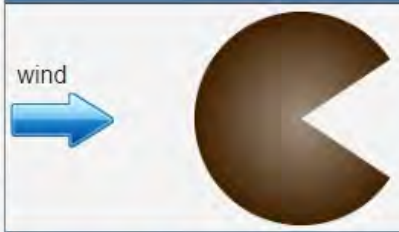
Choose File No file chosen

Crown width [m] *

15

Cross-section

10% opening - 100%



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

4.4

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

10% opening - 60% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

4.11

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

10% opening - 40% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

3.82

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

10% opening - 20% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

2.52

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

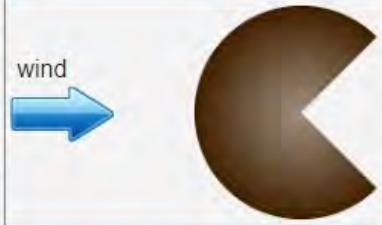
Choose File No file chosen

Crown width [m] *

15

Cross-section

25% opening - 100%



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

3.23

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

25% opening - 60% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

2.64

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

25% opening - 40% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

2.35

Solve PC issues: 2 messages

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

25% opening - 20% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

1.4

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

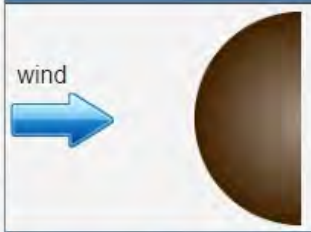
Choose File No file chosen

Crown width [m] *

15

Cross-section

semi - 100%



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

1.4

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

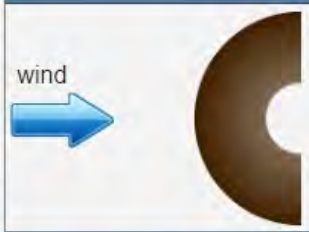
Choose File No file chosen

Crown width [m] *

15

Cross-section

semi - 60% remaining



Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

1.12

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

semi - 40% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

0.8

Oak, European

Height [m] *

20

Stem Ø1 DBH (par.) [cm] *

100

Stem Ø2 DBH (perp.) [cm]

100

Bark thickness [cm] *

3

Aerodyn. drag factor

0.25 Recommendation acc. to Wessolly & Erb 1998

Comp. strength [MPa]

27.6 Recommendation acc. to Lavers 1983

Desired factor of safety *

1.5

Crown adjustments

Tree photo

Choose File No file chosen

Crown width [m] *

15

Cross-section

semi - 20% remaining

Rotate loading axis

0°

Alignment of opening

In loading axis

Open diagram

Choose File No file chosen

Stem safety factor

0.53

TreeCalc.com
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Is your tree safe?

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