



## Quercus petraea



<b>Height</b>	25 - 30 (40) m
<b>Width</b>	20-25m
<b>Crown</b>	broad ovoid to rounded, half-open crown
<b>Bark and branches</b>	greyish-brown, remains glossy for a long time,
<b>Leaf</b>	oval to obovate, lobed, green, 8 - 15 cm
<b>Flowers</b>	yellowish-brown   catkins, 5 - 8 cm long, May
<b>Fruits</b>	ovoid acorns, 2 - 2.5 cm, in groups of several
<b>Spines/thorns</b>	None
<b>Toxicity</b>	usually not toxic to people, (large) pets and livestock
<b>Soil type</b>	nutritious, can take dry conditions
<b>Soil moisture</b>	suitable for dry soil
<b>Paving</b>	tolerates no paving
<b>Winter hardiness zone</b>	5 (-28,8 to -23,4 °C)
<b>Wind resistance</b>	good
<b>Other resistances</b>	resistant to frost (WH 1 - 6), can withstand wind, resistant to de-icing salt
<b>Fauna tree</b>	resistant to frost (WH 1 - 6), can withstand wind, resistant to de-icing salt, provides food for birds
<b>Application</b>	avenues and broad streets, industrial areas
<b>Shape</b>	clearstem tree, feathered tree, multi-stem treem
<b>Origin</b>	western, central and south-eastern Europe, Asia Minor

The densely branching crown is at first broad ovoid but later becomes rounder and more regular in shape than *Q. robur*. Only bark that is old develops deep grooves. Young twigs are greenish-brown. *Q. petraea*'s leaves, yellowish green with a clearly stalked leaf, emerge 2 weeks later than those of *Q. robur* (which have very short stalks). The leaves are regular in shape, obovate to oval and regularly lobed. The lobes are larger than *Q. robur*'s. The leaves are leathery and often remain hanging on the tree in a dried state during the winter. The ovoid stalkless acorns (*Q. robur*'s have long stalks) are in groups of several and are one-third to a quarter enclosed by the cupule: the latter is covered with small contiguous scales. *Quercus petraea* also grows in dry soil provided that it is not too poor. Like *Quercus robur*, *Quercus petraea* is a good producer of wood. The tree grows a little higher and usually forms a trunk that reaches to the top of the crown.