

LONICERA

Vessels small (mean tangential diameter less than 100 μ); exclusively solitary, apart from tangential pairs due to overlapping ends; typically more than 30 per sq. mm; typically ring-porous or semi-ring-porous; with faint spiral thickening in some spp. Perforations simple, though sometimes accompanied by occasional scalariform plates in the neighbourhood of the primary wood. Intervascular pitting alternate, medium sized to moderately small; pits to ray cells similar to the intervacular pitting. Mean member length 0.3-1.2 mm.; shortest in *Lonicera*.

Parenchyma rather sparse, paratracheal, very scanty, as a few cells round the vessels.

Rays usually up to 3 or 4 cells wide, up to 5 cells in some spp; commonly about 1 mm. high, with fused rays higher. Uniseriates composed entirely of square to upright cells, typically numerous and moderately high; typically 11-19 rays per mm. Heterogeneous (Kribs's Types I and II A), usually with 1-4 marginal rows of square to upright cells, and sometimes with very few truly procumbent cells.

Fibres with distinctly bordered pits that are sometimes slightly less numerous on the tangential than on the radial walls; walls moderately thin. Spiral thickening present. Mean length 0.8-1.8 mm.