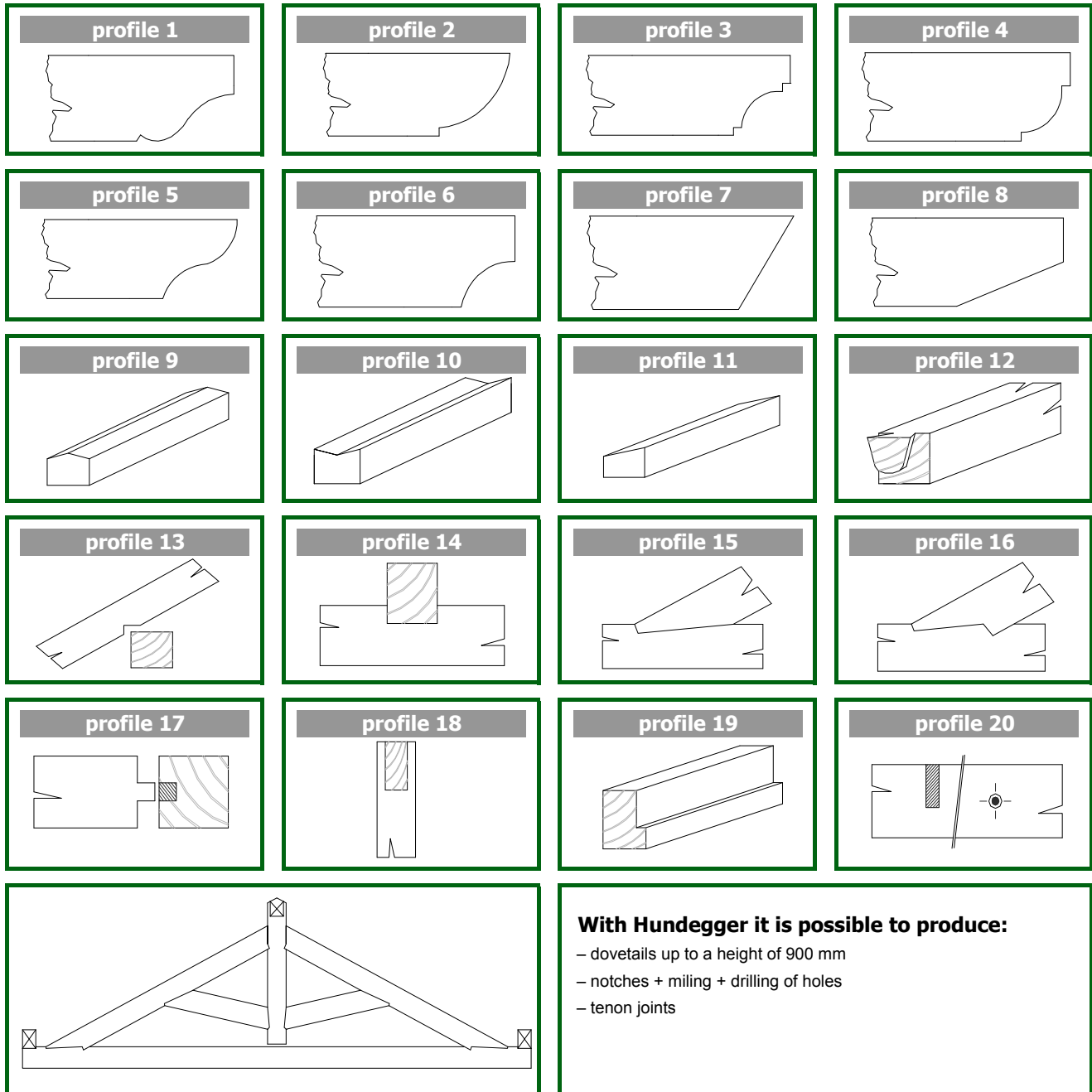


Standard profiles Hundegger
mechanical properties of glulam



With Hundegger it is possible to produce:

- dovetails up to a height of 900 mm
- notches + milling + drilling of holes
- tenon joints

glue laminated timber - characteristic values for strength and stiffness in N/mm²

strength classes of glulam		GL 24h	GL 28h	GL 32c [h]	GL 36c [h]
bending strength	$f_{m,g,k}$	24	28	32 [32]	36 [36]
tensile strength	$f_{t,0,g,k}$	16,5	16,5	19,5 [22,5]	22,5 [26]
	$f_{t,90,g,k}$	0,4	0,45	0,45 [0,5]	0,5 [0,6]
compression strength	$f_{c,0,g,k}$	24	26,5	26,5 [29]	29 [31]
	$f_{c,90,g,k}$	2,7	3,0	3,0 [3,3]	3,3 [3,6]
shear strength	$f_{v,g,k}$	3,0	3,0	3,0	3,0
modulus of elasticity	$E_{0,g,mean}$	11600	12600	13700	14700
	$E_{0,g,05}$	9400	10200	11100	11900
	$E_{90,g,mean}$	390	420	420 [460]	460 [490]
shear modulus of elasticity	$G_{g,mean}$	720	780	780 [850]	850 [910]
density [kg/m ³]	$\rho_{g,k}$	380	410	410 [430]	430 [450]