



KLENK wooden beams H20 Super

robust, versatile, economical:

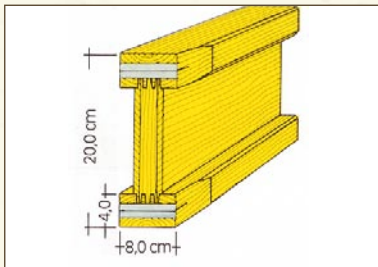
Klenk wooden beams are robust all-purpose beams, professionally laminated.

special features:

- E-profile made of galvanized steel
- pressed and formed into the end of the beam
- tapered ends to prevent cracks and splintering of the wood
- high strength-to-weight ratio
- coniferous wood from domestic sustainable forestry (PEFC certified)



wooden beam H20 Super



wooden beam H20 Super

up to 5,90m in 9 different standard lengths available

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technical data:
rated max. M. = 5.0 kNm
rated max. Q = 11.0 kN
approx. weight = 5.0 kg/lm

product	height cm	width cm	standard length* m	approx. weigh kg
KLENK H 20 Super	standard height 20 cm	standard width 8 cm	2,50	12,5
KLENK H 20 Super			2,65	13,3
KLENK H 20 Super			2,90	14,5
KLENK H 20 Super			3,30	16,5
KLENK H 20 Super			3,60	18,0
KLENK H 20 Super			3,90	19,5
KLENK H 20 Super			4,50	22,5
KLENK H 20 Super			4,90	24,5
KLENK H 20 Super			5,90	29,5

*special lengths on request



Loading Table KLENK H20 Super

The table allows for a dynamic load of 20% of the static load of the fresh concrete, but at least 1.5 kN/m². Deflection in the centre of the span was restricted to 1/500 of the span. Empty weight of the formwork: 0.3 kN/m².

Floor Thickness in cm	Total Load in kN/m ²	Max. permissible cross beam spacing for a given transverse beam spacing (m)				Max. permissible support distance (m) for a given distance between cross beams							
		0,42	0,50	0,625	0,667	Resulting single prop load (kN) for given max. spacings							
						1,50	1,75	2,00	2,25	2,50	2,75	3,00	
12	4,92	3,64	3,43	3,19	3,12	2,33 17,20	2,16 18,60	2,02 19,90	1,90 21,10	1,79 22,00	1,63 22,00	1,49 22,00	
14	5,44	3,47	3,27	3,04	2,97	2,21 18,10	2,05 19,50	1,92 20,90	1,80 22,00	1,62 22,00	1,47 22,00	1,35 22,00	
16	5,96	3,33	3,14	2,92	2,85	2,12 19,00	1,96 20,40	1,83 21,80	1,64 22,00	1,48 22,00	1,34 22,00	1,23 22,00	
18	6,48	3,21	3,03	2,81	2,75	2,03 19,70	1,88 21,30	1,70 22,00	1,51 22,00	1,36 22,00	1,23 22,00	1,13 22,00	
20	7,00	3,10	2,93	2,72	2,66	1,95 20,50	1,80 22,00	1,57 22,00	1,40 22,00	1,26 22,00	1,14 22,00	1,05 22,00	
22	7,52	3,01	2,84	2,64	2,58	1,88 21,20	1,67 22,00	1,46 22,00	1,30 22,00	1,17 22,00	1,06 22,00	0,97 21,90	
24	8,04	2,93	2,76	2,57	2,51	1,82 22,00	1,56 22,00	1,37 22,00	1,21 21,90	1,09 22,00	0,99 21,90	0,91 21,90	
26	8,56	2,86	2,70	2,50	2,45	1,71 22,00	1,47 22,00	1,29 22,00	1,14 22,00	1,03 22,00	0,93 21,90	0,86 22,00	
28	9,08	2,79	2,63	2,44	2,39	1,62 22,00	1,38 21,90	1,21 22,00	1,08 22,00	0,97 22,00	0,88 22,00	0,81 22,00	
30	9,66	2,73	2,57	2,39	2,34	1,52 22,00	1,30 22,00	1,14 22,00	1,01 22,00	0,91 22,00	0,83 22,00	0,76 22,00	
35	11,22	2,60	2,45	2,27	2,23	1,31 22,00	1,12 22,00	0,98 22,00	0,87 22,00	0,78 21,90	0,71 21,90	0,65 21,90	
40	12,78	2,49	2,35	2,18	2,13	1,15 22,00	0,98 21,90	0,86 22,00	0,76 21,90	0,69 22,00	0,62 21,80	0,57 21,90	
45	14,34	2,39	2,26	2,10	2,04	1,02 21,90	0,88 22,00	0,77 22,00	0,68 21,90	0,61 21,90	0,56 22,00	0,51 21,90	
50	15,90	2,31	2,18	2,01	1,94	0,92 21,90	0,79 22,00	0,69 21,90	0,61 21,90	0,55 21,90	0,50 21,90	0,46 21,90	
55	17,46	2,24	2,11	1,91	1,85	0,83 21,90	0,71 21,90	0,62 21,90	0,55 22,00	0,50 22,00	0,45 21,90	0,41 22,00	
60	19,02	2,15	2,03	1,82	1,73	0,76 21,70	0,66 22,00	0,57 21,70	0,51 21,90	0,45 21,40	0,41 21,50	0,38 21,70	
65	20,58	2,06	1,95	1,69	1,60	0,70 21,70	0,60 21,70	0,53 22,00	0,47 21,80	0,42 21,70	0,38 21,60	0,35 21,70	
70	22,14	2,00	1,88	1,57	1,48	0,65 21,60	0,56 21,70	0,49 21,70	0,43 21,50	0,39 21,60	0,35 21,40	0,32 21,30	
75	23,70	1,93	1,82	1,47	1,38	0,60 21,40	0,52 21,60	0,46 21,80	0,40 21,40	0,36 21,40	0,33 21,60	0,30 21,40	
80	25,26	1,83	1,73	1,38	1,30	0,57 21,60	0,49 21,70	0,43 21,80	0,38 21,60	0,34 21,50	0,31 21,60	0,28 21,30	
85	26,82	1,72	1,62	1,30	1,22	0,53 21,40	0,46 21,60	0,40 21,50	0,36 21,80	0,32 21,50	0,29 21,40	0,26 21,00	
90	28,38	1,62	1,53	1,23	1,14	0,50 21,30	0,43 21,40	0,38 21,60	0,34 21,70	0,30 21,30	0,27 21,10	0,25 21,30	
95	29,94	1,54	1,45	1,16	1,08	0,47 21,20	0,41 21,50	0,36 21,60	0,32 21,60	0,28 21,00	0,26 21,40	0,24 21,60	
100	31,50	1,46	1,38	1,10	1,03	0,45 21,30	0,39 21,50	0,33 21,00	0,30 21,30	0,27 21,30	0,25 21,70	0,22 21,00	

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