



Girders for wooden formwork H 20

m+ba Girders for wooden formwork

- ✗ Flanges of solid timber with high stability (Safe rest for shuttering panels)
- ✗ Rounded beam ends reducing tear-outs and increasing service life
- ✗ Solid web with high durability and load bearing capacity (see table)



Allowed bending momentum:
 $M = 5,0 \text{ kNm}$

Allowed lateral force:
 $Q = 11,0 \text{ kN}$

Weight approx. 5,0 kg/m



Standard lengths

Lengths	Order no.
2.45 m	11500
2.90 m	11510
3.30 m	11520
3.60 m	11530
3.90 m	11540
4.50 m	11580
4.90 m	11550
6.00 m	11560

Special lengths on request.

Load table – Allowance no. Z 9.1 – 647

Ceiling-depth cm	Total load* kN/m ²	Maximum permissible spacing for girders and supports (cm)											
		Transverse beam spacing (cm)			Girder spacing (cm)								
		38	50	75	100	125	150	175	200	225	250	300	350
10	4,30	353	320	280	254	236	222	211	202	194	187	171	146
12	4,82	339	308	269	245	227	214	203	194	187	180	152	130
14	5,34	328	298	260	237	219	207	196	188	180	165	137	118
16	5,86	318	289	252	229	213	200	190	182	167	150	125	107
18	6,38	309	281	245	223	207	195	185	172	153	138	115	99
20	6,90	301	274	239	217	202	190	180	159	142	128	106	91
22	7,42	294	267	233	212	197	185	169	148	132	119	99	85
24	7,94	287	261	228	207	192	181	158	139	123	111	92	79
26	8,46	281	256	223	203	188	173	149	130	116	104	87	74
28	8,98	276	251	219	199	185	163	140	122	109	98	82	70
30	9,50	271	246	215	195	181	154	132	116	103	93	77	66
40	12,10	250	227	198	180	145	121	104	91	81	73	61	52
50	14,70	234	213	186	150	120	100	86	75	67	60	51	43
60	17,30	222	201	169	127	102	85	73	64	57	51	42	36

Example: Existent ceiling depth 24 cm; Transverse beam spacing 75 cm. It results in 228, the next smaller girder spacing can be selected. Thus results in a support spacing of 123 cm (Check the load bearing capacity of the supports).

* including working load 1,5 kN/m² Max. deflection in centre of field $l / 500$. Note: the table is provided for provisional dimensioning, and does not replace structural verifications.