

Tabelle 4-8. Birkensterrholz

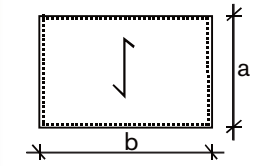
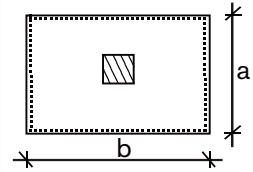
Einzellast auf einer Fläche von 50 x 50 mm in der Mitte einer frei drehbar gelagerten Rechteckplatte



Spannweite mm a x b	Nennstärke (mm)											
	9		12		15		18		21		24	
	F	u	F	u	F	u	F	u	F	u	F	u
300x300	1.1 b	2.6	1.9 b	1.9	2.9 b	1.6	4.1 s	1.3	4.7 s	1.0	5.4 s	0.7
300x600	1.0 b	2.8	1.6 b	2.1	2.4 b	1.7	3.4 b	1.4	4.5 b	1.2	5.3 s	1.0
300 x ∞	1.0 b	2.8	1.6 b	2.1	2.4 b	1.7	3.4 b	1.5	4.5 b	1.3	5.3 s	1.0
400x400	1.0 b	4.2	1.7 b	3.1	2.6 b	2.5	3.7 b	2.1	4.7 s	1.7	5.4 s	1.3
400x800	0.9 b	4.6	1.5 b	3.5	2.2 b	2.8	3.1 b	2.4	4.1 b	2.0	5.3 b	1.8
400 x ∞	0.9 b	4.6	1.5 b	3.5	2.2 b	2.8	3.0 b	2.4	4.0 b	2.1	5.2 b	1.8
500x500	0.9 b	6.0	1.6 b	4.5	2.4 b	3.6	3.4 b	3.0	4.5 b	2.6	5.3 s	2.1
500x1000	0.8 b	6.7	1.4 b	5.1	2.1 b	4.1	2.9 b	3.5	3.8 b	3.0	4.9 b	2.6
500 x ∞	0.8 b	6.8	1.4 b	5.2	2.0 b	4.2	2.8 b	3.5	3.8 b	3.0	4.9 b	2.7
600x600	0.9 b	8.1	1.5 b	6.2	2.3 b	5.0	3.2 b	4.1	4.2 b	3.5	5.3 s	3.0
600x1200	0.8 b	9.2	1.3 b	7.0	1.9 b	5.7	2.7 b	4.8	3.6 b	4.1	4.7 b	3.6
600 x ∞	0.8 b	9.3	1.3 b	7.1	1.9 b	5.7	2.7 b	4.8	3.6 b	4.1	4.6 b	3.6
750x750	0.8 b	11.8	1.4 b	9.0	2.1 b	7.2	2.9 b	6.0	3.9 b	5.2	5.1 b	4.5
750x1500	0.7 b	13.6	1.2 b	10.4	1.8 b	8.4	2.6 b	7.0	3.4 b	6.0	4.4 b	5.3
750 x ∞	0.7 b	13.7	1.2 b	10.4	1.8 b	8.4	2.5 b	7.1	3.4 b	6.1	4.3 b	5.4
1000x1000	0.7 b	19.3	1.3 b	14.7	1.9 b	11.8	2.7 b	9.9	3.6 b	8.4	4.7 b	7.4
1000x2000	0.7 b	22.5	1.1 b	17.2	1.7 b	13.9	2.4 b	11.6	3.2 b	10.0	4.1 b	8.8
1000 x ∞	0.7 b	22.7	1.1 b	17.3	1.7 b	14.0	2.4 b	11.7	3.1 b	10.1	4.0 b	8.9
1200x1200	0.7 b	26.3	1.2 b	20.1	1.8 b	16.2	2.6 b	13.5	3.4 b	11.6	4.4 b	10.1
1200x2400	0.7 b	31.1	1.1 b	23.7	1.6 b	19.1	2.3 b	16.0	3.0 b	13.8	3.9 b	12.1
1500x1500	0.7 b	38.7	1.1 b	29.5	1.7 b	23.8	2.4 b	19.9	3.2 b	17.0	4.2 b	14.9
1500x3000	0.6 b	46.2	1.0 b	35.2	1.5 b	28.4	2.2 b	23.8	2.9 b	20.5	3.7 b	18.0

Spannweite mm a x b	Nennstärke (mm)											
	27		30		35		40		45		50	
	F	u	F	u	F	u	F	u	F	u	F	u
300x300	6.0 s	0.6	6.7 s	0.5	8.0 s	0.3	9.3 s	0.2	9.9 s	0.2	11.2 s	0.2
300x600	5.8 s	0.8	6.5 s	0.6	7.8 s	0.5	9.0 s	0.3	9.6 s	0.3	10.9 s	0.2
300 x ∞	5.8 s	0.8	6.5 s	0.7	7.8 s	0.5	9.0 s	0.3	9.6 s	0.3	10.9 s	0.2
400x400	6.0 s	1.1	6.7 s	0.9	7.9 s	0.6	9.2 s	0.4	9.8 s	0.4	11.1 s	0.3
400x800	5.9 s	1.4	6.5 s	1.2	7.8 s	0.8	9.1 s	0.6	9.6 s	0.5	10.9 s	0.4
400 x ∞	5.8 s	1.4	6.5 s	1.2	7.8 s	0.8	9.0 s	0.6	9.6 s	0.5	10.9 s	0.4
500x500	5.9 s	1.6	6.6 s	1.4	7.9 s	0.9	9.2 s	0.7	9.8 s	0.6	11.0 s	0.5
500x1000	5.9 s	2.2	6.6 s	1.9	7.8 s	1.3	9.1 s	1.0	9.7 s	0.8	10.9 s	0.7
500 x ∞	5.9 s	2.3	6.6 s	1.9	7.8 s	1.3	9.1 s	1.0	9.7 s	0.9	10.9 s	0.7
600x600	5.9 s	2.4	6.6 s	2.0	7.9 s	1.4	9.1 s	1.0	9.7 s	0.9	11.0 s	0.7
600x1200	5.8 b	3.2	6.6 s	2.7	7.8 s	1.9	9.1 s	1.4	9.7 s	1.2	10.9 s	1.0
600 x ∞	5.7 b	3.2	6.6 s	2.7	7.8 s	1.9	9.1 s	1.4	9.7 s	1.2	10.9 s	1.0
750x750	5.9 s	3.7	6.6 s	3.1	7.9 s	2.1	9.1 s	1.6	9.7 s	1.4	11.0 s	1.1
750x1500	5.5 b	4.7	6.6 s	4.2	7.8 s	3.0	9.1 s	2.2	9.7 s	1.9	10.9 s	1.5
750 x ∞	5.4 b	4.8	6.6 s	4.3	7.8 s	3.0	9.1 s	2.2	9.7 s	1.9	10.9 s	1.5
1000x1000	5.8 b	6.6	6.6 s	5.5	7.9 s	3.8	9.1 s	2.8	9.7 s	2.5	11.0 s	1.9
1000x2000	5.1 b	7.8	6.2 b	7.1	7.8 s	5.3	9.1 s	3.9	9.7 s	3.4	11.0 s	2.7
1000 x ∞	5.0 b	7.9	6.1 b	7.1	7.8 s	5.4	9.1 s	4.0	9.7 s	3.5	10.9 s	2.7
1200x1200	5.5 b	9.0	6.6 s	7.9	7.8 s	5.5	9.1 s	4.1	9.7 s	3.5	11.0 s	2.8
1200x2400	4.8 b	10.8	5.9 b	9.7	7.8 s	7.6	9.1 s	5.6	9.7 s	4.9	10.9 s	3.8
1500x1500	5.2 b	13.3	6.4 b	11.9	7.9 s	8.6	9.1 s	6.4	9.7 s	5.5	11.0 s	4.3
1500x3000	4.6 b	16.0	5.6 b	14.5	7.8 s	11.9	9.1 s	8.8	9.7 s	7.7	11.0 s	6.0

b = Begrenzung hinsichtlich Biegefestigkeit
s = Begrenzung hinsichtlich Rollenschubfestigkeit



Lasteinwirkungsklasse
mittel

Nutzungs-kategorie 1

$$k_{mod} = 0.80$$

$$k_{def} = 0.25$$

$$\gamma_q = 1.5$$

$$\gamma_m = 1.3$$

F in kN

u in mm

↔ Faserrichtung
der Deckfurniere