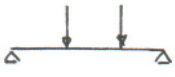


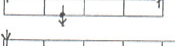
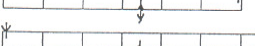
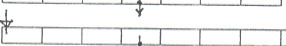
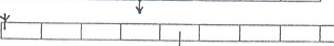
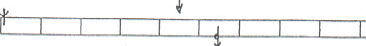
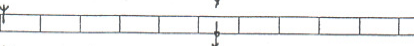
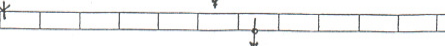


13 Auswertung der zulässigen Belastungen (Aufbau als Strecke)
/ Calculation of permissible loadings (

zulässige Belastungen ohne Durchbiegungsbeschränkungen
permissible loadings without limits of deflection

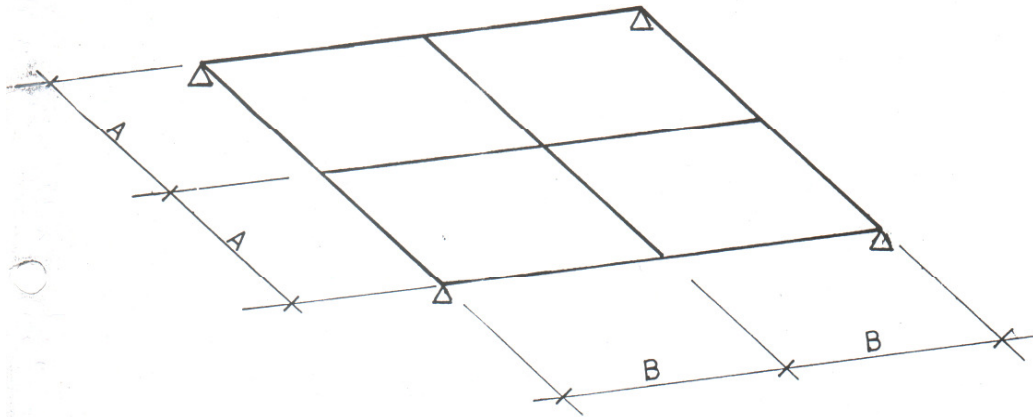
Spannweite	Spannweite	mittige Einzellast / central single load	mittige Einzellast / central single load	Durchbiegung / deflection	Einzellast in den Drittelpunkten / single load in third points	Einzellast in den Drittelpunkten / single load in third points	Durchbiegung / deflection	Gleichstreckenlast / divided load	Gleichstreckenlast / divided load	Durchbiegung / deflection
										
[m]	[ft]	[kg]	[lbs]	[cm]	[kg]	[lbs]	[cm]	[kg/m]	[lbs/ft]	[cm]
1,0	3,3	510,0	1125,5	0,03	382,5	844,2	0,04	790,0	531,6	0,03
1,5	4,9	380,0	838,7	0,08	285,0	629,0	0,10	351,0	236,2	0,07
2,0	6,5	210,0	463,5	0,10	157,5	347,6	0,13	215,0	144,7	0,13
2,5	8,2	110,0	242,8	0,11	82,5	182,1	0,14	88,0	59,2	0,13
3,0	9,8	60,0	132,4	0,11	45,0	99,3	0,14	40,0	26,9	0,13
3,5	11,5	40,0	88,3	0,13	30,0	66,2	0,15	22,0	14,8	0,15
4,0	13,1	27,0	59,6	0,14	20,2	44,6	0,17	13,5	9,1	0,17
4,5	14,7	22,5	49,6	0,19	16,9	37,3	0,22	10,0	6,7	0,22
5,0	16,4	20,0	44,1	0,25	15,0	33,1	0,29	8,0	5,4	0,29
5,5	18,0	18,0	39,7	0,33	12,4	27,4	0,36	6,5	4,4	0,37
6,0	19,7	15,0	33,1	0,40	11,3	24,9	0,46	5,0	3,3	0,45

TYP SYSTEM LÄNGE [m]

1		1,00
2		1,50
3		2,00
4		2,50
5		3,00
6		3,50
7		4,00
8		4,50
9		5,00
10		5,50
11		6,00

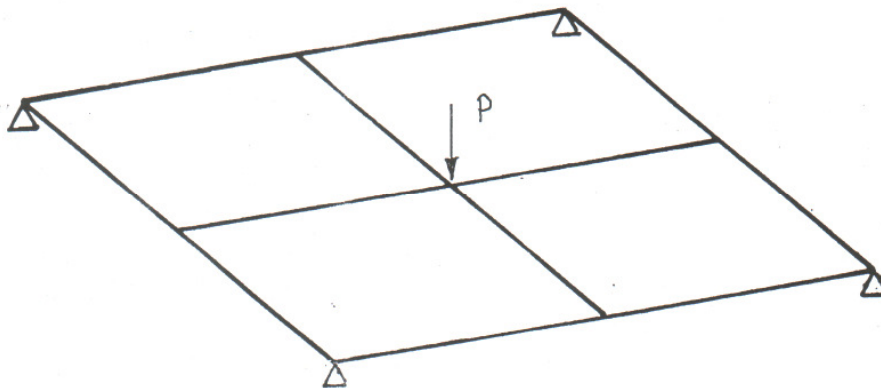
14 Auswertung der zulässigen Belastungen (Aufbau als Trägerrost)
/ Calculation of permissible loadings (

14.1 System

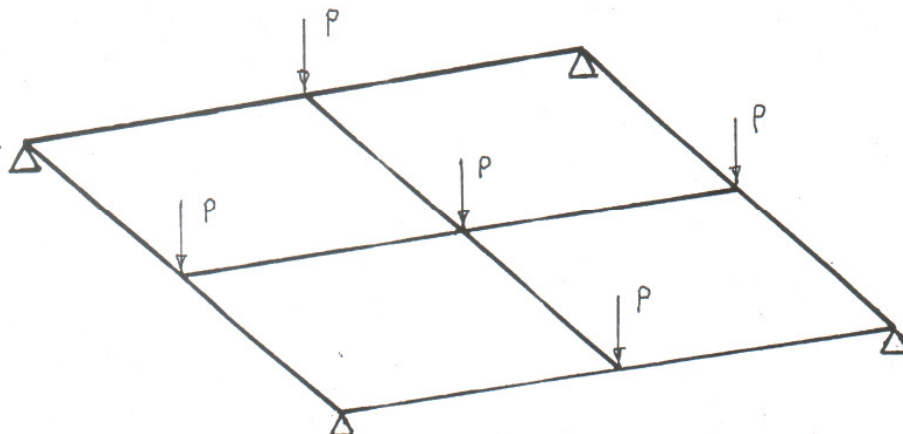


14.2 Belastungsannahmen

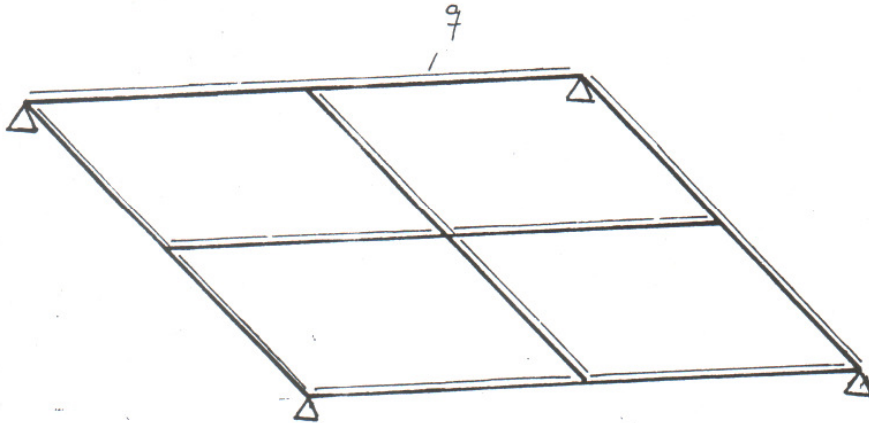
LF1: Eizelllast in Systemmitte



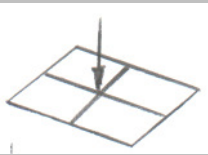
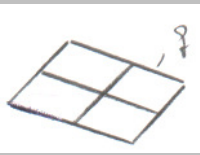
LF2: Eizelllasten in Achsmittle



LF3: Streckenlast



zulässige Belastungen ohne Durchbiegungsbeschränkungen
permissible loadings without limits of deflection

A	B						
		[m]	[m]	[kg]	[lbs]	[kg]	[lbs]
1,0	1,0	690,0	1522,8	280,0	617,9	165,0	111,0
2,0	1,0	475,0	1048,3	175,0	386,2	60,0	40,4
2,0	2,0	350,0	772,4	135,0	297,9	42,5	28,6
3,0	1,0	150,0	331,0	45,0	99,3	15,0	10,1
3,0	2,0	150,0	331,0	45,0	99,3	12,5	8,4
3,0	3,0	100,0	220,7	42,5	93,8	8,5	5,7
4,0	1,0	60,0	132,4	22,5	49,6	5,0	3,4
4,0	2,0	60,0	132,4	22,5	49,6	4,0	2,7
4,0	3,0	60,0	132,4	15,0	33,1	3,0	2,0
4,0	4,0	45,0	99,3	12,5	27,5	-	-
5,0	1,0	35,0	77,2	10,0	22,1	2,5	1,7
5,0	2,0	30,0	66,2	10,0	22,1	-	-
5,0	3,0	27,5	60,7	9,5	21,0	-	-
5,0	4,0	25,0	55,2	8,0	12,8	-	-
6,0	1,0	20,0	44,1	5,0	11,0	-	-
6,0	2,0	17,5	38,6	4,0	8,8	-	-
6,0	3,0	15,0	33,1	-	-	-	-