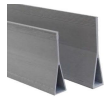
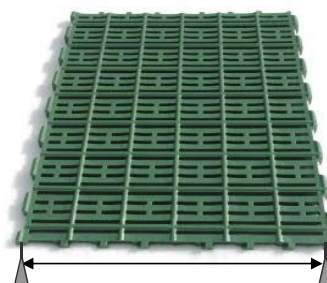


DUO fibre glass reinforced support beams

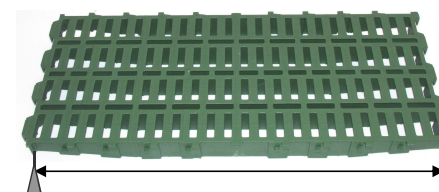
Distance between beams/ span of panel		up to 400 mm (15 3/4")						up to 600 mm (23 5/8")						up to 800 mm (31 1/2")						
Application		animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens	animals in groups up to 250 kg (551 lbs) animal weight	animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens	animals in groups up to 250 kg (551 lbs) animal weight	animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens	animals in groups up to 250 kg (551 lbs) animal weight	animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens	animals in groups up to 250 kg (551 lbs) animal weight							
		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		
DUO type		Loading	1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²	
		inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	
DUO L (120 mm height)		94 1/2	2,40	78 3/4	2,00	57	1,45	82 2/3	2,10	53 1/7	1,35	37 2/5	0,95	67	1,70	41 1/3	1,05	29 1/2	0,75	
DUO XL (150 mm height)		130	3,30	110 1/4	2,80	98 3/7	2,50	114 1/6	2,90	98 3/7	2,50	82 2/3	2,10	102 1/3	2,60	86 3/5	2,20	55 1/8	1,40	



400 mm span width
(e.g. Swing 400 x 600)



600 mm span width
(Swing 600 x 800)



800 mm span width
(e.g. Trapper 800 x 400, Chess 800 x 600)

Steel beams

Distance between beams/ span of panel		up to 400 mm (15 3/4")						up to 600 mm (23 5/8")						up to 800 mm (31 1/2")					
Application 		animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens		animals in groups up to 250 kg (551 lbs) animal weight		animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens		animals in groups up to 250 kg (551 lbs) animal weight		animals in groups up to 40 kg (88 lbs) animal weight	animals in groups up to 125 kg (275 lbs) animal weight and farrowing pens		animals in groups up to 250 kg (551 lbs) animal weight				
	Flat steel Loading	1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²		1.5 kN/m²		2.5 kN/m²		3.5 kN/m²	
	40 x 5 mm	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter	inch	meter
	50 x 5 mm	73 2/9	1,86	59 4/9	1,51	51 4/7	1,31	63	1,60	44	1,25	41 3/4	1,06						
	60 x 5 mm	89	2,26	73 2/9	1,86	61 3/7	1,56	75 1/5	1,91	59	1,50	50	1,27	65	1,65	51 1/6	1,30	43 1/3	1,10
	70 x 5 mm	102 3/4	2,61	85	2,16	71 1/4	1,81	87 4/5	2,23	68 8/9	1,75	58 1/4	1,48	74 4/5	1,90	59	1,50	51 1/6	1,30
	80 x 5 mm	116 1/7	2,95	96 6/7	2,46	81 1/9	2,06	100	2,54	78 1/3	1,99	66 1/2	1,69	82 2/3	2,10	67	1,70	55 1/8	1,40
	90 x 5 mm	130 1/3	3,31	108 2/3	2,76	93	2,36	112 1/5	2,85	88 1/5	2,24	75 1/5	1,91	94 1/2	2,40	74 4/5	1,90	63	1,60
	100 x 5 mm	144 1/2	3,67	120 1/2	3,06	102 3/4	2,61	124 4/5	3,17	98	2,49	83 1/2	2,12	106 2/7	2,70	82 2/3	2,10	70 6/7	1,80
	120 x 5 mm	172	4,37	141 1/3	3,59	120 6/7	3,07	145 2/3	3,70	115 3/4	2,94	98 4/5	2,51	126	3,20	100	2,54	85 3/7	2,17

Length of beam = support distance + 50 mm!

Caution: The tipping of the beams must be avoided, as otherwise the carrying capacity of the beams will be reduced considerably!

The indicated figures are recommendations only and solely intended for the purpose of material calculation.

The calculation of measurements of steel support beams is effected under DIN EN 1993-1-1.

These recommendations do not replace static calculation.