

Glass fiber reinforced profiles (support beams) are manufactured by pultrusion and widely applied for the systems of slotted floor fixation in livestock houses (pig farms and livestock complexes). Due to their high chemical and physical properties, GRP support beams demonstrate substantial advantages during long term operations.

This production is recommended for use in the agricultural sector.



Designations		Dimensions, mm						Weight, kg/m	Inertia moment I_x, mm^4
		B	C	S	H	E	K		
a	PSK-P-11-60x30x5	60	30	5	23	-	-	0,806	155600
b	PSK-P-11-80x30x5	80	30	5	23	-	-	0,963	341700
c	PSK-P-11-90x30x5	90	30	5	23	-	-	1,216	830300
d	PSK-P-11-110x30x5	110	30	5	23	60	5	1,006	470100
e	PSK-P-11-120x26x5.5	120	26	5,5	23	71	5	1,290	1056500
f	PSK-P-11-120x30x5	120	30	5	23	55	5	1,270	1035300
g	PSK-P-11-135x30x5	135	30	5	23	65	15	1,450	1467600
h	PSK-P-11-150x35x5	150	35	5	15	-	-	1,650	1784000

ADVANTAGES OF GRP SUPPORT BEAMS IN SYSTEMS OF PLASTIC SLOTTED FLOOR FIXATION:

EASY-TO-INSTALL

These low weight GRP support beams provide easy installation of slotted floor systems.

EASY-TO-CLEAN

A smooth and high-quality surface of support beams provides their fast and high-quality flush with water.

BIOLOGICAL STABILITY

Particular glass fiber properties ensure long-term resistance to the destructive impact of fungi and bacteria.

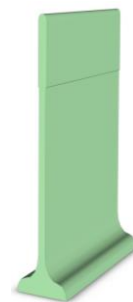
AMMONIA STABILITY

GRP support beams are resistant to ammonia attacks.

HEAT LOSS MINIMIZATION

GRP support beams have low thermal conductivity.

Designations		Support span, mm L	Evenly distributed permissible load, N/m	Maximum load on T-profiles mounted at 0,4 m distance therebetween, N/m ²		Maximum load on T-profiles mounted at 0,6 m distance therebetween, N/m ²	
a	T	1 200	1 840	4 600	1/2/3*	3 065	1/2*
		1 500	940	2 350	1	1 565	1
		2 000	395	985	-	655	-
b		1 200	4 045	10 110	1/2/3	6 740	1/2/3
		1 500	2 070	5 175	1/2/3	3 450	1/2
		2 000	870	2 175	1	1 450	-
		2 400	505	1 262	-	840	-
c		1 500	2 850	7 125	1/2/3	4 750	1/2/3
		2 000	1 200	3 000	1/2	2 000	1
		2 400	696	1 740	1	1 160	-



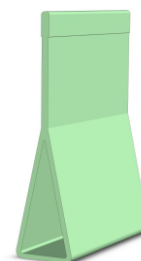
a/b/c

Designations		Support span, mm L	Evenly distributed permissible load, N/m	Maximum load on T-profiles mounted at 0,4 m distance therebetween, N/m ²		Maximum load on T-profiles mounted at 0,6 m distance therebetween, N/m ²	
d	T	1 200	9 840	24 600	1/2/3*	16 400	1/2/3*
		1 500	5 035	12 585	1/2/3	8 390	1/2/3
		2 000	2 070	5 175	1/2/3	3 450	1/2
		2 400	1 230	3 075	1/2	2 050	1
		3 000	625	1 560	1	1 040	-
e		1 200	12 520	31 300	1/2/3	20 865	1/2/3
		1 500	6 410	16 025	1/2/3	10 680	1/2/3
		2 000	2 695	6 735	1/2/3	4 490	1/2/3
		2 400	1 560	3 910	1/2	2 600	1/2
		3 000	800	2 000	1	1 330	-
f		1 200	12 270	30 675	1/2/3	20 450	1/2/3
		1 500	6 280	15 700	1/2/3	10 465	1/2/3
		2 000	2 640	6 600	1/2/3	4 400	1/2/3
		2 400	1 530	3 825	1/2/3	2 250	1
		3 000	785	1 960	1	1 305	-
g		1 200	17 390	43 480	1/2/3	28 985	1/2/3
		1 500	8 905	22 260	1/2/3	14 840	1/2/3
		2 000	3 745	9 365	1/2/3	6 245	1/2/3
		2 400	2 170	5 430	1/2/3	3 620	1
		3 000	1 110	2 780	1/2	1 855	1



d/e/f/g

Designations		Support span, mm L	Evenly distributed permissible load, N/m	Maximum load on T-profiles mounted at 0,4 m distance therebetween, N/m ²		Maximum load on T-profiles mounted at 0,6 m distance therebetween, N/m ²	
h	Δ	1 500	10 820	27 050	1/2/3*	18 030	1/2/3*
		2 000	4 450	11 125	1/2/3	7 415	1/2/3
		2 400	2 640	6 600	1/2/3	4 400	1/2/3
		3 000	1 345	3 360	1/2	2 240	1



h

Support span, mm L	1 200	1 500	2 000	2 400	3 000
Maximum permissible deflection L/150, mm	8	10	13,3	16	20

*		
1	Piglet (up to 40 kg)	1 500 N/m ²
2	Fattening pig (up to 125 kg)	2 500 N/m ²
3	Breeding sow (up to 250 kg)	3 500 N/m ²



Contacts:

2, Promyshlennaya str., Severodonetsk town, 93404, Ukraine.

tel. +38 050 475 8695 (Telegram, Viber, WhatsApp)

Email: office@ssp-frp.com; i.trukhlova@ssp-frp.com

SSP-FRP.COM