

CARTEA PRODUSULUI

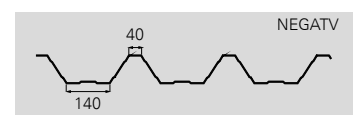
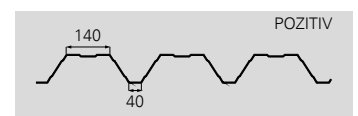
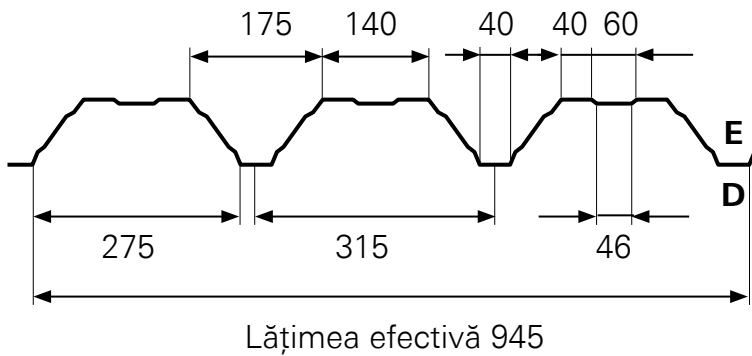
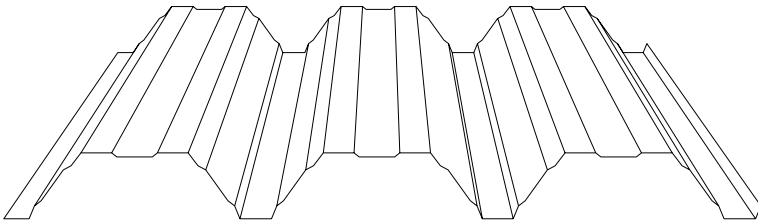
TABLĂ TRAPEZOIDALĂ T90

T90

Parametrii tehnici [în mm]

Lățimea efectivă	945
Lățimea totală	~985
Înălțimea profilului	87
Grosimea tablei	0,7-1,5
Lungimea maximă a foii	12 000

PELICULĂ DECORATIVĂ VERSIUNEA T90E/T90D



Premise și comentarii legate de tabelele de sarcină pentru table

Tabelele de sarcină au fost pregătite pentru table trapezoidale ale companiei IMPRO, care lucrează ca grinzi cu un singur panou și grinzi continue: cu două panouri și trei panouri, precum și pentru table montate prin suprapunere ca grinzi cu două și trei panouri (tabelele pentru table montate prin suprapunere sunt disponibile după contactarea departamentului de proiectare IMPRO). S-a luat în considerare varianta suportului pe reazeme (pozitiv sau negativ).

Rezultatele s-au obținut în analiză statică și de rezistență a tablelor, care au fost tratate ca elemente cu perete subțire în funcție de algoritmul dat de Conf. univ. ing. R.J. Garncarek, profesor la Universitatea Tehnică din Białystok, în conformitate cu PNEN 1993-1-3: August, 2008 împreună cu schimbările ulterioare. La calculele s-a folosit programele companiei KOTEX [www.kotex.waw.pl].

La calcule în conformitate cu EN 1993-1-3, s-a presupus:

- material elastic, cu un randament de plasticitate f_{yb} după tabelul 3.1b,
- randament de siguranță materială $\gamma_m = 1,0$.

În tabele sunt prezentate sarcinile de calcul pentru I stare de limită (SGN), care exprimă limita de sarcină și caracteristica de încărcare pentru a II-a stare de limită (SGU), care corespunde unui nivel acceptabil de deviere. Sarcinile admisibile în starea SGU s-au determinat pentru devierea $L/150$, $L/200$ și $L/300$. Sarcina s-a exprimat în kN/m^2 .

Gamă de parametri pentru tabla analizată sunt următoarele:

Tipul de tablă: T90

Oțel: S250 GD, S280 GD, S320 GD,

**Grosimea tăblii: 0.60 mm, 0.63 mm, 0.70 mm, 0.75 mm, 0.80 mm,
0.88 mm, 1.00 mm, 1.10 mm, 1.20 mm, 1.25 mm, 1.50 mm**

Lățimea de sprijin intermediar [b]: 60 mm, 80 mm, 120 mm, 160 mm, 300 mm

Deschiderea panourilor [m]: $L_{min} = 2.00$ m, $L_{max} = 8.50$ m

Recomandări generale

În tabele a fost specificată lățimea de sprijin extrem recomandată de producător (60 mm), totodată pentru calcule s-a pornit de la premisa conform cu PN-EN lățimea de sprijin extrem $a=10$ mm. Tabelele pentru sistemele obișnuite cu două și trei panouri au fost realizate pentru lățimea de sprijin intermediar **b=60 mm, 80 mm, 120 mm, 160 mm și 300 mm**.

Sarcinile de calcul redactate ar trebui să fie comparate cu valorile din tabele – rândul 1, pentru întindere nu mai mică decât cea adoptată în proiectarea construcției.

În cazul de table cu două panouri și trei panouri, ar trebui să fie aleasă tabela corespunzătoare lățimii suportului intermediar **b** nu mai mare decât lățimea de întindere adoptată în proiect.

Atât pentru lățimea de sprijin indirectă **b**, cât și pentru deschiderea panourilor **L** poate fi utilizată interpolarea liniară.

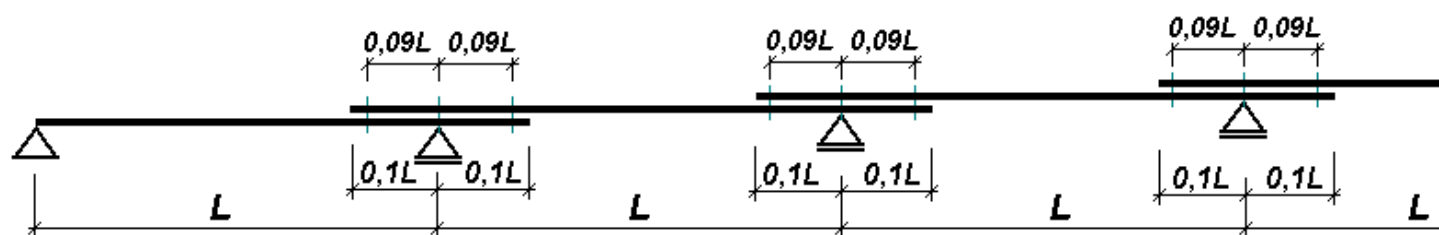
Aceste tabele pot fi utilizate dacă sunt îndeplinite următoarele condiții:

- încărcarea care acționează asupra sistemelor statice adoptate este o încărcare continuă distribuită uniform,
- lungimea panourilor, în sistemele de multi panouri nu diferă cu mai mult de 5%, și pentru a determina SGN și SGU se ia în calcul cea mai mare lungime a panoului.
- metoda de fixare a tablelor trapezoidale este compatibilă cu instrucțiunile producătorului.

În alte cazuri individuale, se recomandă să consultați un reprezentant al companiei noastre.

Recomandări pentru sisteme care se suprapun

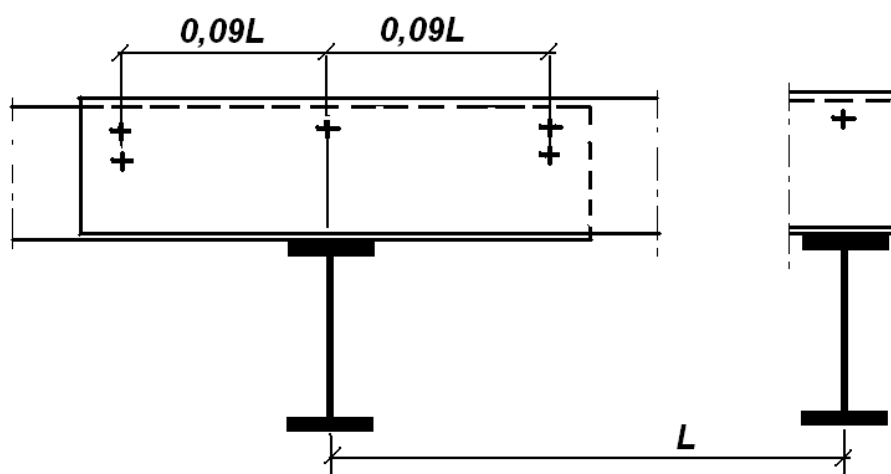
Tablele au fost realizate pornind de la premisa că suprapunerea este egală cu 0.1 din întinderea panoului, ca în desen:*



Pentru sistemele care se suprapun, sprijinul intermediar trebuie să fie ≥ 60 mm.

Elementele de fixare trebuie plasate deasupra axelor de sprijin și pe ambele părți ale reazemelor la o distanță de 0.09 întindere.

Distanța minimă a centrului de greutate al elementelor de fixare față de reazeme:



Greutate foaie metalică (kg/m²)

GROSIMEA	GREUTATE
0,60	6,24
0,63	6,55
0,70	7,28
0,75	7,80
0,80	8,32
0,88	9,15
1,00	10,40
1,10	11,44
1,20	12,48
1,25	13,00
1,50	15,60

* Tabelele pentru sistemele, care se suprapun sunt disponibile la cererea clientului.

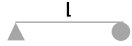


Table with columns for T90, Pozitiv, Sprijun 60 - 60, and various load cases (Grosimea, Jx, Cazul, L150, L200, L300, SGN) across different load values (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.25, 1.50).



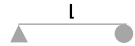


Table with columns for T90, Negativ, Sprijeni 60 - 60, and various load cases (Grosimea, Jx, Cazul, L150, L200, L300, SGN) across multiple rows representing different load positions and beam lengths.



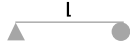


Table with columns for T90, Pozitiv, Numerul de panouri: 1, Sprijin 60 - 60, Grosimea, Jx [cm4], Cazul, and a grid of values for various load and span combinations.





Table with columns for T90, Negativ, Sprijlen 60 - 60, and various load parameters (Grosmea, Jx, Cazul, L150, L200, L300, SGN) across multiple rows representing different load configurations and beam lengths.



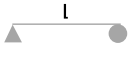


Table with columns for T90, Pozitiv, Sprijn 60-60, and various load cases (Grosimea, Jx, Cazul, SGN, L150, L200, L300) for different beam lengths (73.60, 79.07, 83.02, 89.01, 92.25, 96.74, 98.84, 104.49, 105.42, 105.89, 115.97, 131.70, 131.78, 144.85, 144.96, 158.02, 158.14, 164.60, 164.73, 197.52, 197.67, 197.67, 197.67).



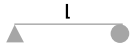


Table with columns for T90, Negativ, Sprijn 60-60, and various load cases (Grosimea, Jx [cm4], Cazul, SGN, L150, L200, L300, U150, U200, U300) across multiple rows representing different load positions and beam lengths.



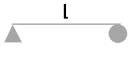
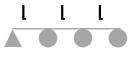


Table with columns for T90, Pozitiv, Sprijn 60-60, and various load cases (Grosimea, Jx, Cazul, SGN, L150, L200, L300) for different beam lengths (73.60, 79.07, 83.02, 89.01, 92.25, 96.74, 98.84, 104.49, 105.42, 105.88, 115.89, 115.97, 131.70, 131.78, 144.85, 144.96, 158.02, 158.14, 164.60, 164.73, 197.52, 197.67, 197.67, 197.67).



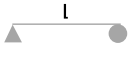


Table with columns for T90, Negativ, Sprijn 60-60, and various load cases (Grosimea, Jx [cm4], Cazul, L150, L200, L300, SGN) across different dimensions (0.60, 0.63, 0.70, 0.75, 0.80, 1.00, 1.10, 1.20, 1.25, 1.50).

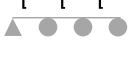




Table with columns for T90, Pozitiv, Numarul de panoulor, Grosimea, Jx [cm4], Cazul, and a grid of values for various dimensions and load cases.



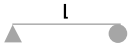


Table with columns for T90, Negativ, Sprijn 60 - 60, and various load cases (Grosimea, Jx [cm4], Cazul, SGN, L150, L200, L300) across different dimensions (0.60, 0.63, 0.70, 0.75, 0.80, 1.00, 1.10, 1.20, 1.25, 1.50).



Table with columns for Numarul de panoulori: 2, Sprijn 60 - 300 - 60, and various load cases (Grosimea, Jx [cm4], Cazul, SGN, L150, L200, L300) across different dimensions (0.60, 0.63, 0.70, 0.75, 0.80, 1.00, 1.10, 1.20, 1.25, 1.50).



Table with columns for Numarul de panoulori: 3, Sprijn 60 - 300 - 300 - 60, and various load cases (Grosimea, Jx [cm4], Cazul, SGN, L150, L200, L300) across different dimensions (0.60, 0.63, 0.70, 0.75, 0.80, 1.00, 1.10, 1.20, 1.25, 1.50).

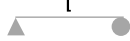


Table for T90 beam with 1 span. Columns include load (Grosimea, Jx [cm^4]), span (Sprjin 60 - 60), and various load capacity values (2.00 to 4.25) for different beam types (SGN, L200, L300, L900, L1500) and load levels (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.25, 1.50).



Table for T90 beam with 2 spans. Columns include load (Grosimea, Jx [cm^4]), span (Sprjin 60 - 60 - 60), and various load capacity values (2.00 to 4.25) for different beam types and load levels.



Table for T90 beam with 3 spans. Columns include load (Grosimea, Jx [cm^4]), span (Sprjin 60 - 60 - 60 - 60), and various load capacity values (2.00 to 4.25) for different beam types and load levels.



Table with columns for 'Numărul de panouri: 1', 'Negativ', 'Grosimea', 'Jx [cm4]', 'Cazul', 'Sprinzi 60 - 60', and rows for various load cases (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.25, 1.50) and their corresponding dimensions and values.





Table 1: Technical data for T90 beam with a single point load. Columns include load position (Positiv), beam length (L), and various load capacity values (Grosimea, Jx, min/max) for different beam types and load positions.



Table 2: Technical data for T90 beam with two point loads. Columns include load position (Positiv), beam length (L), and various load capacity values (Grosimea, Jx, min/max) for different beam types and load positions.

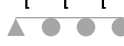
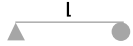


Table 3: Technical data for T90 beam with three point loads. Columns include load position (Positiv), beam length (L), and various load capacity values (Grosimea, Jx, min/max) for different beam types and load positions.



T90		Negativ		1		Sprijin 60 - 60																										
Numărul de panouri:	Grosimea	Jx [cm ⁴]	Cazul	2		3																										
				min	max	min	max																									
0.60	71.66	77.35	SGN	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50		
			L/150	2.87	2.55	2.30	2.09	1.91	1.77	1.64	1.53	1.43	1.35	1.23	1.11	1.00	0.91	0.83	0.76	0.69	0.64	0.59	0.55	0.51	0.48	0.44	0.42	0.39	0.37	0.35		
			L/200	3.95	3.51	3.16	2.87	2.50	1.98	1.60	1.31	1.09	0.91	0.77	0.66	0.56	0.49	0.43	0.37	0.33	0.29	0.26	0.23	0.21	0.19	0.17	0.16	0.14	0.13	0.12	0.11	0.10
	0.63	81.86	L/300	SGN	3.17	2.82	2.54	2.31	2.12	1.95	1.81	1.69	1.59	1.48	1.32	1.18	1.07	0.97	0.88	0.81	0.74	0.68	0.63	0.59	0.54	0.47	0.44	0.42	0.39	0.37		
				L/150	3.17	2.82	2.54	2.31	2.12	1.95	1.81	1.51	1.26	1.06	0.89	0.76	0.65	0.57	0.49	0.43	0.38	0.34	0.30	0.27	0.24	0.22	0.20	0.18	0.16	0.15	0.14	
				L/200	3.17	2.82	2.54	2.31	2.12	1.74	1.41	1.16	0.96	0.80	0.68	0.58	0.50	0.43	0.38	0.33	0.29	0.26	0.23	0.21	0.18	0.17	0.15	0.14	0.12	0.11	0.10	
	0.70	85.76	92.25	SGN	3.95	3.51	3.16	2.87	2.63	2.43	2.26	2.11	1.93	1.71	1.52	1.37	1.23	1.12	1.02	0.93	0.86	0.79	0.73	0.68	0.63	0.59	0.55	0.51	0.48	0.45	0.43	
				L/150	3.95	3.51	3.16	2.87	2.63	2.43	2.10	1.72	1.43	1.20	1.01	0.86	0.74	0.64	0.56	0.49	0.43	0.38	0.34	0.31	0.27	0.25	0.22	0.20	0.18	0.17	0.15	
				L/200	3.95	3.51	3.16	2.87	2.63	2.43	2.10	1.72	1.43	1.20	1.01	0.86	0.74	0.64	0.56	0.49	0.43	0.38	0.34	0.31	0.27	0.25	0.22	0.20	0.18	0.17	0.15	
		0.75	93.35	98.84	SGN	4.56	4.06	3.65	3.32	3.04	2.81	2.61	2.41	2.12	1.88	1.68	1.50	1.36	1.23	1.12	1.03	0.94	0.87	0.80	0.74	0.69	0.65	0.60	0.57	0.53	0.50	0.47
					L/150	4.56	4.06	3.65	3.32	3.04	2.81	2.29	1.87	1.55	1.30	1.10	0.93	0.80	0.70	0.61	0.53	0.47	0.42	0.37	0.33	0.30	0.27	0.24	0.22	0.20	0.18	0.17
					L/200	4.56	4.06	3.65	3.32	2.72	2.16	1.74	1.43	1.18	0.99	0.83	0.71	0.61	0.53	0.46	0.40	0.36	0.32	0.28	0.25	0.23	0.20	0.18	0.17	0.15	0.14	0.13
0.80		100.12	105.42	SGN	5.23	4.65	4.18	3.80	3.49	3.26	2.47	2.02	1.67	1.40	1.18	1.01	0.87	0.75	0.65	0.57	0.51	0.45	0.40	0.36	0.32	0.29	0.26	0.24	0.22	0.20	0.18	
				L/150	5.23	4.65	4.18	3.78	2.94	2.34	1.89	1.54	1.27	1.06	0.90	0.77	0.66	0.57	0.50	0.44	0.38	0.34	0.30	0.27	0.24	0.22	0.20	0.18	0.16	0.15	0.14	
				L/200	5.23	4.65	4.18	3.28	2.01	1.59	1.28	1.05	0.86	0.72	0.61	0.52	0.44	0.38	0.33	0.29	0.26	0.23	0.20	0.18	0.16	0.15	0.13	0.12	0.11	0.10	0.09	
0.88		112.53	115.97	SGN	6.41	5.70	5.13	4.67	4.28	3.84	2.77	2.26	1.87	1.56	1.32	1.13	0.97	0.84	0.73	0.64	0.56	0.50	0.44	0.40	0.35	0.32	0.29	0.26	0.24	0.22	0.20	
				L/150	6.41	5.70	5.13	4.25	3.00	2.62	2.11	1.72	1.42	1.19	1.00	0.85	0.73	0.63	0.55	0.48	0.42	0.37	0.33	0.30	0.27	0.24	0.22	0.20	0.18	0.16	0.15	
				L/200	6.41	5.70	5.13	4.25	3.00	2.62	2.11	1.72	1.42	1.19	1.00	0.85	0.73	0.63	0.55	0.48	0.42	0.37	0.33	0.30	0.27	0.24	0.22	0.20	0.18	0.16	0.15	
	1.00	130.16	131.78	SGN	8.48	7.54	6.79	6.17	5.59	4.77	4.11	3.58	3.15	2.79	2.49	2.23	2.01	1.83	1.66	1.52	1.40	1.29	1.19	1.11	1.03	0.96	0.90	0.84	0.79	0.74	0.70	
				L/150	8.48	7.54	6.79	6.17	5.06	4.00	3.21	2.62	2.16	1.80	1.52	1.29	1.11	0.96	0.83	0.73	0.64	0.57	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.25	0.23	
				L/200	8.48	7.54	6.53	4.96	3.84	3.02	2.42	1.97	1.62	1.35	1.14	0.97	0.83	0.72	0.62	0.55	0.48	0.42	0.38	0.34	0.30	0.27	0.25	0.22	0.20	0.18	0.17	
	1.10	144.63	144.96	SGN	10.50	9.33	8.40	7.57	6.36	5.42	4.68	4.08	3.58	3.18	2.83	2.54	2.29	2.08	1.91	1.78	1.59	1.47	1.36	1.26	1.17	1.09	1.03	0.96	0.90	0.84	0.79	
				L/150	10.50	9.33	8.40	7.57	6.36	5.42	4.68	4.08	3.58	3.18	2.83	2.54	2.29	2.08	1.91	1.78	1.59	1.47	1.36	1.26	1.17	1.09	1.03	0.96	0.90	0.84	0.79	
				L/200	10.50	9.33	7.29	5.48	4.22	3.32	2.66	2.16	1.78	1.49	1.25	1.06	0.91	0.79	0.69	0.60	0.53	0.47	0.42	0.37	0.33	0.30	0.27	0.25	0.22	0.20	0.19	
		1.20	157.90	158.14	SGN	12.82	11.39	10.15	8.39	7.05	6.01	5.18	4.52	3.97	3.52	3.14	2.82	2.54	2.31	2.10	1.92	1.77	1.63	1.50	1.40	1.30	1.21	1.13	1.06	0.99	0.93	0.88
					L/150	12.82	11.39	10.15	7.97	6.14	4.83	3.87	3.15	2.59	2.16	1.82	1.55	1.33	1.15	1.00	0.87	0.77	0.68	0.60	0.54	0.48	0.44	0.39	0.36	0.32	0.30	0.27
					L/200	12.82	10.90	7.95	5.98	4.60	3.62	2.90	2.36	1.95	1.62	1.37	1.16	1.00	0.86	0.75	0.65	0.58	0.51	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22	0.20
1.25		164.48	164.73	SGN	14.09	12.53	10.64	8.80	7.39	6.30	5.43	4.74	4.16	3.69	3.29	2.95	2.67	2.42	2.20	2.02	1.85	1.71	1.58	1.46	1.36	1.27	1.18	1.11	1.04	0.98	0.92	
				L/150	14.09	12.53	10.64	8.30	6.40	5.03	4.03	3.28	2.70	2.25	1.90	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28	
				L/200	14.09	11.20	8.28	6.23	4.80	3.77	3.02	2.46	2.03	1.69	1.42	1.21	1.04	0.90	0.79	0.68	0.60	0.53	0.47	0.42	0.38	0.34	0.31	0.28	0.25	0.23	0.21	
		1.50	197.38	197.67	SGN	20.49	16.20	13.12	10.95	9.12	7.77	6.70	5.84	5.14	4.55	4.06	3.64	3.29	2.98	2.72	2.49	2.28	2.10	1.94	1.80	1.68	1.56	1.46	1.37	1.28	1.21	1.14
					L/150	20.49	16.20	13.12	9.67	7.67	6.04	4.83	3.93	3.24	2.70	2.28	1.94	1.66	1.43	1.25	1.09	0.96	0.85	0.76	0.67	0.60	0.54	0.49	0.45	0.41	0.37	0.34
					L/200	19.40	13.63	9.94	7.47	5.76	4.53	3.63	2.95	2.43	2.03	1.71	1.45	1.24	1.08	0.94	0.82	0.72	0.64	0.57	0.51	0.45	0.41	0.37	0.33	0.30	0.28	0.25





Table with columns for 'Numaral de panoulor: 1', 'Positiv', 'Grosimea', 'Jx [cm4]', and rows for various load positions (0.60, 0.63, 0.70, 0.75, 0.80) and beam lengths (1.00, 1.10, 1.20, 1.25, 1.50). It includes sub-tables for 'Sprinje 60 - 2,50' and 'Sprinje 60 - 120 - 60'.

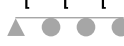




Table with columns for 'Numărul de panouri: 1', 'Negativ', 'Sprinzi 60 - 60', and 'Grosimea Jx [cm4] min/max'. It contains multiple rows of data for different load cases and beam configurations.





Table 1: T90 beam data for 1 span. Columns include span length (Sprjin 60 - 2,50), load (Grosimea, Jx [cm4]), and various load capacity values (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50) for different beam types (SGN, L200, L300).



Table 2: T90 beam data for 2 spans. Columns include span lengths (Sprjin 60 - 160 - 60), load (Grosimea, Jx [cm4]), and various load capacity values (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50) for different beam types (SGN, L200, L300).



Table 3: T90 beam data for 3 spans. Columns include span lengths (Sprjin 60 - 160 - 160 - 60), load (Grosimea, Jx [cm4]), and various load capacity values (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50) for different beam types (SGN, L200, L300).

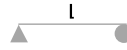


Table with columns for 'Numaral de panoulor: 1', 'Negativ', 'Sprinzi 60 - 60', and 'Grosimea'. It contains multiple rows of data for different load positions and beam lengths, including sub-sections for '0.60', '0.63', '0.70', '0.75', '0.80', '0.88', '1.00', '1.10', '1.20', '1.25', and '1.50'.

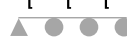




Table 1: Data for Positiv (Positive) loading. Columns include 'Numaral de panoulor: 1', 'Grosimea', 'Jx [cm4]', and a grid of values for various beam lengths (0.60 to 1.50) and load positions (0.63, 0.70, 0.75, 0.80).



Table 2: Data for Positiv (Positive) loading. Columns include 'Numaral de panoulor: 2', 'Grosimea', 'Jx [cm4]', and a grid of values for various beam lengths (0.60 to 1.50) and load positions (0.63, 0.70, 0.75, 0.80).



Table 3: Data for Positiv (Positive) loading. Columns include 'Numaral de panoulor: 3', 'Grosimea', 'Jx [cm4]', and a grid of values for various beam lengths (0.60 to 1.50) and load positions (0.63, 0.70, 0.75, 0.80).



Table with columns for 'Numaral de panoulor: 1', 'Negativ', 'Sprinzi 60 - 60', and 'Grosimea Jx [cm4]'. It contains multiple rows of data for different load positions (e.g., 0.60, 0.63, 0.70, 0.75, 0.80) and beam lengths (e.g., 71.66, 77.35, 81.86, 85.76, 92.25, 93.35, 98.84, 100.12, 105.42, 144.63, 144.96, 157.90, 158.14, 164.48, 164.73, 197.38, 197.67). Each row includes values for 'Cazul' and 'SGN' across various dimensions.



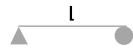
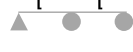


Table with columns for T90, Pozitiv, Sprjin 60 - 60, and various load and distance parameters. It contains multiple rows of data for different load configurations and beam lengths.



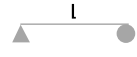
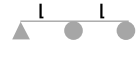


Table with columns for T90, Negativ, Sprjin 60 - 60, and various load and distance parameters. It contains multiple rows of data for different load configurations and beam lengths.



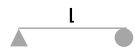
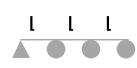


Table with columns for T90, Pozitiv, Numerul de panoulori, Cazul, Sprjin 60 - 60, and various load and deflection values. Includes diagrams for single and double point loads.





Table with columns for T90, Numarul de panoulor, Grosimea, Jx, Cazul, Sprinzi, and a grid of values for various load cases and dimensions.



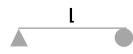


Table with columns for T90, Pozitiv, Sprjin 60 - 60, and various load and deflection values. Includes sub-sections for 1, 2, and 3 points of application.



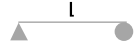


Table with columns for T90, Negativ, Numarul de panoulor: 1, Sprinzi 60 - 60, and various load values (Grosimea, Cazul, Jx [cm4], min/max). The table contains multiple rows of data for different load positions and beam lengths.



Table with columns for T90, Negativ, Numarul de panoulor: 2, Sprinzi 60 - 120 - 60, and various load values (Grosimea, Cazul, Jx [cm4], min/max). The table contains multiple rows of data for different load positions and beam lengths.



Table with columns for T90, Negativ, Numarul de panoulor: 3, Sprinzi 60 - 120 - 120 - 60, and various load values (Grosimea, Cazul, Jx [cm4], min/max). The table contains multiple rows of data for different load positions and beam lengths.

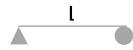


Table with columns for T90, Pozitiv, Numerul de panoulori, Sprinzi 60 - 60, and various load and span parameters. It contains multiple rows of data for different load cases and beam configurations.



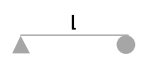


Table for T90 beam with 1 point load. Columns include load capacity (Grosimea), beam length (L), distance to load (l), and various material and design parameters (Cazul, Sprjin 60 - 60, etc.).

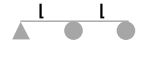


Table for T90 beam with 2 point loads. Columns include load capacity (Grosimea), beam length (L), distances to loads (l1, l2), and various material and design parameters (Cazul, Sprjin 60 - 160 - 60, etc.).

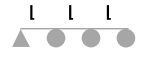


Table for T90 beam with 3 point loads. Columns include load capacity (Grosimea), beam length (L), distances to loads (l1, l2, l3), and various material and design parameters (Cazul, Sprjin 60 - 160 - 160 - 60, etc.).

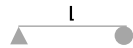


Table 1: Data for Sprjin 60 - 60. Columns include Pozitiv, Numerul de panoulori, Cazul, Grosimea, and various load and distance parameters (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50).



Table 2: Data for Sprjin 60 - 300 - 60. Columns include Pozitiv, Numerul de panoulori, Cazul, Grosimea, and various load and distance parameters (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50).



Table 3: Data for Sprjin 60 - 300 - 300 - 60. Columns include Pozitiv, Numerul de panoulori, Cazul, Grosimea, and various load and distance parameters (0.60, 0.63, 0.70, 0.75, 0.80, 0.88, 1.00, 1.10, 1.20, 1.50).

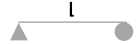


Table with columns for 'Numărul de panouri: 1', 'Negativ', 'Sprinzi 60 - 60', and 'Grosimea'. It contains multiple rows of data for different beam lengths (e.g., 70.51, 76.79, 81.28, 84.40, 84.80, 91.88, 98.84, 99.47, 105.42, 108.80, 110.72, 115.97, 128.13, 131.78, 143.89, 144.96, 157.85, 158.14, 164.43, 164.73, 197.24, 197.67) and various load conditions (L300, L330, L360, L390, L420, L450, L480, L510, L540, L570, L600, L630, L660, L690, L720, L750, L780, L810, L840, L870, L900, L930, L960, L990, L1020, L1050, L1080, L1110, L1140, L1170, L1200, L1230, L1260, L1290, L1320, L1350, L1380, L1410, L1440, L1470, L1500, L1530, L1560, L1590, L1620, L1650, L1680, L1710, L1740, L1770, L1800, L1830, L1860, L1890, L1920, L1950, L1980, L2010, L2040, L2070, L2100, L2130, L2160, L2190, L2220, L2250, L2280, L2310, L2340, L2370, L2400, L2430, L2460, L2490, L2520, L2550, L2580, L2610, L2640, L2670, L2700, L2730, L2760, L2790, L2820, L2850, L2880, L2910, L2940, L2970, L3000).



