

## TRAVI HEM

Tabella dei carichi netti  
uniformemente ripartiti per  
@ = 1600 Kg./cm2

Il calcolo è fatto con la formula :

$$Q \text{ (Kg)} = \frac{8 \times Wx \times 1600}{L \text{ (cm)}} \text{ — peso della trave}$$

PROFILO (Dimensioni in mm)						Peso Kg/m	Sez. cm2	Wx cm3	Jx cm4	DISTANZA TRA GLI APPOGGI IN METRI														
HEM	h	b	a	e	r					3	4	5	6	7	8	9	10	11	12	13	14			
100	120	106	12	20	12	41,8	53,2	190	1.143	7.981	5.912	4.654	3.802	3.181	2.705	—	—	—	—	—	—	—	—	—
120	140	126	12,5	21	12	52,1	66,4	288	2.018	12.131	9.007	7.112	5.771	4.901	4.191	3.627	—	—	—	—	—	—	—	—
140	160	146	13	22	12	63,2	80,6	411	3.291	17.346	12.900	10.205	8.388	7.072	6.070	5.276	4.628	—	—	—	—	—	—	—
160	180	166	14	23	15	76,2	97,1	566	5.098	23.920	17.806	14.108	11.617	9.816	8.446	7.363	6.482	5.747	—	—	—	—	—	—
180	200	186	14,5	24	15	88,9	113	748	7.483	31.647	23.580	18.704	15.423	13.055	11.256	9.837	8.685	7.726	6.911	—	—	—	—	—
200	220	206	15	25	18	103	131	967	10.642	40.948	30.531	24.239	20.011	19.691	14.647	12.825	11.347	10.119	9.078	8.182	—	—	—	—
220	240	226	15,5	26	18	117	149	1.220	14.605	51.701	38.571	30.646	25.324	21.489	18.583	16.297	14.445	12.909	11.609	10.491	9.516	—	—	—
240	270	248	18	32	21	157	200	1.800	24.289	76.327	56.970	45.294	37.457	31.814	27.543	24.186	21.469	19.217	17.315	15.681	14.258	—	—	—
260	290	268	18	32,5	24	172	220	2.160	31.307	91.641	68.430	54.434	45.047	38.292	33.183	29.171	25.927	23.242	20.975	19.031	17.340	—	—	—
280	310	288	18,5	33	24	189	240	2.550	39.547	108.230	80.842	64.333	53.264	45.304	39.287	34.564	30.749	27.593	24.931	22.650	20.667	—	—	—
300	340	310	21	39	27	238	303	3.480	59.201	147.762	110.405	87.895	72.810	61.966	53.774	47.350	42.163	37.875	34.263	31.169	28.484	—	—	—
320	359	309	21	40	27	245	312	3.800	68.135	161.394	120.617	96.052	79.594	67.769	58.838	51.838	46.188	41.522	37.592	34.229	31.312	—	—	—
340	377	309	21	40	27	248	316	4.050	76.372	172.451	128.604	102.437	84.909	72.319	62.814	55.366	49.358	44.398	40.222	36.651	33.555	—	—	—
360	395	308	21	40	27	250	319	4.300	84.867	182.712	136.596	108.827	90.231	76.876	66.798	58.904	52.663	47.285	42.865	39.087	35.813	—	—	—
400	432	307	21	40	27	256	326	4.820	104.119	204.880	153.212	124.748	101.288	86.342	75.070	66.245	59.134	53.269	48.340	44.129	40.483	—	—	—
450	478	307	21	40	27	263	335	5.500	131.484	233.871	174.943	139.481	115.752	98.727	85.893	75.853	67.768	61.105	55.509	50.733	46.602	—	—	—
500	524	306	21	40	27	270	344	6.180	161.929	262.863	196.675	156.854	130.216	111.112	96.717	85.461	76.402	68.940	62.678	57.377	52.721	—	—	—
550	572	306	21	40	27	278	354	6.920	197.984	294.467	220.322	175.757	145.955	124.588	108.493	95.913	85.793	77.463	70.475	64.519	59.375	—	—	—
600	620	305	21	40	27	285	364	7.660	237.447	325.963	243.974	194.666	161.700	138.070	120.277	106.374	95.195	85.997	78.284	71.714	66.042	—	—	—
650	668	305	21	40	27	293	374	8.430	281.667	358.801	268.588	214.343	178.082	152.097	132.536	117.256	104.974	94.871	86.404	79.194	72.972	—	—	—
700	716	304	21	40	27	301	383	9.200	329.278	391.630	293.196	234.015	194.460	166.121	144.792	128.135	114.750	103.743	94.521	86.671	79.900	—	—	—
800	814	303	21	40	30	317	404	10.870	442.598	462.835	346.572	276.687	229.991	196.546	171.384	151.742	135.966	123.000	112.142	102.906	94.944	—	—	—
900	910	302	21	40	30	333	424	12.540	570.434	534.041	399.948	319.359	265.522	226.971	197.976	175.349	157.182	142.257	129.764	119.141	109.989	—	—	—
1000	1008	302	21	40	30	349	444	14.330	722.299	610.366	457.164	365.103	303.612	259.591	226.488	200.663	179.934	162.910	148.665	136.558	126.131	—	—	—

1/400

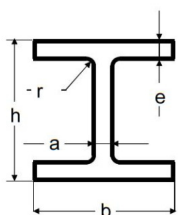
● I carichi a sinistra della linea comportano una freccia minore di 1/400 L, quelli a destra una f

a sollecitazione diversa da 1600 Kg/cm2, i carichi van

● Per carichi concentrati in mezzzeria della trave dimezzare i valori della tabella



predil s.r.l.



## TRAVI HEB

Tabella dei carichi netti  
uniformemente ripartiti per  
@ = 1600 Kg./cm2

Il calcolo è fatto con la formula :

$$Q \text{ (Kg)} = \frac{8 \times W_x \times 1600}{L \text{ (cm)}} \quad \text{-- peso della trave}$$

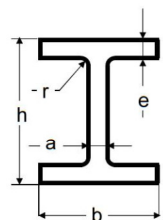
PROFILO (Dimensioni in mm)						Peso Kg/m	Sez. cm2	Wx cm3	Jx cm4	DISTANZA TRA GLI APPOGGI IN METRI														
HEB	h	b	a	e	r					3	4	5	6	7	8	9	10	11	12	13	14			
100	100	100	6	10	12	20,4	26	90	450	3.778	2.798	2.202	1.797	1.502	—	—	—	—	—	—	—	—	—	—
120	120	120	6,5	11	12	26,7	34	144	864	6.063	4.501	3.553	2.911	2.446	2.090	—	—	—	—	—	—	—	—	—
140	140	140	7	12	12	33,7	43	216	1.509	9.114	6.777	5.361	4.405	3.713	3.186	2.768	—	—	—	—	—	—	—	—
160	160	160	8	13	15	42,6	54	311	2.492	13.141	9.781	7.748	6.379	5.388	4.635	4.039	3.554	—	—	—	—	—	—	—
180	180	180	8,5	14	15	51,2	65,3	426	3.831	18.022	13.427	10.649	8.780	7.431	6.406	5.597	4.940	4.393	—	—	—	—	—	—
200	200	200	9	15	18	61,3	78,1	570	5.696	24.135	17.994	14.285	11.792	9.993	8.629	7.554	6.683	5.958	5.344	—	—	—	—	—
220	220	220	9,5	16	18	71,5	91	736	8.091	31.187	23.265	18.483	15.272	12.957	11.203	9.823	8.705	7.777	6.992	6.317	—	—	—	—
240	240	240	10	17	21	83,2	106	938	11.259	39.770	29.682	23.596	19.511	16.569	14.342	12.591	11.174	10.000	9.006	8.153	7.411	—	—	—
260	260	260	10	17,5	24	93	118	1.150	14.919	48.786	36.427	28.974	23.974	20.377	17.655	15.518	13.789	12.358	11.150	10.113	9.212	—	—	—
280	280	280	10,5	18	24	103	131	1.380	19.270	58.569	43.747	34.812	28.821	24.512	21.255	18.700	16.633	14.924	13.483	12.248	11.174	—	—	—
300	300	300	11	19	27	117	149	1.680	25.166	71.327	53.290	42.422	35.137	29.900	25.943	22.839	20.333	18.261	16.515	15.020	13.721	—	—	—
320	320	300	11,5	20,5	27	127	161	1.930	30.823	81.963	61.250	48.771	40.410	34.401	29.863	26.305	23.433	21.060	19.062	17.351	15.867	—	—	—
340	340	300	12	21,5	27	134	171	2.160	36.656	91.755	68.582	54.624	45.274	38.558	33.487	29.513	26.307	23.659	21.431	19.525	17.872	—	—	—
360	360	300	12,5	22,5	27	142	181	2.400	43.193	101.971	76.130	60.728	50.346	42.890	37.263	32.854	29.300	26.364	23.895	21.784	19.954	—	—	—
400	400	300	13,5	24	27	155	198	2.880	57.680	122.412	91.568	72.951	60.508	51.576	44.838	39.641	35.313	31.962	28.859	26.341	24.160	—	—	—
450	450	300	14	26	27	171	218	3.550	79.887	150.949	112.913	90.022	74.705	63.715	55.430	49.948	43.728	39.427	35.813	32.729	30.062	—	—	—
500	500	300	14,5	28	27	187	239	4.290	107.176	182.474	136.528	108.886	90.395	77.134	67.142	59.328	53.040	47.861	43.514	42.238	38.149	—	—	—
550	550	300	15	29	27	199	254	4.970	136.691	211.451	158.240	126.234	104.830	89.484	77.926	68.891	61.624	55.642	50.624	46.347	42.653	—	—	—
600	600	300	15,5	30	27	212	270	5.700	171.041	242.558	181.547	144.856	120.325	102.742	89.501	79.262	70.838	63.993	58.254	53.365	49.145	—	—	—
650	650	300	16	31	27	225	286	6.480	210.616	275.805	206.460	164.763	136.890	116.916	101.880	90.135	80.694	72.928	66.420	60.878	56.095	—	—	—
700	700	300	17	32	27	241	306	7.340	256.888	312.450	233.916	186.700	155.140	132.530	115.512	102.222	91.542	82.760	75.401	69.137	63.734	—	—	—
800	800	300	17,5	33	30	262	334	8.980	359.083	382.360	286.312	228.578	190.000	162.371	141.584	125.357	112.324	101.612	92.642	85.012	78.434	—	—	—
900	900	300	18,5	35	30	291	371	10.980	494.065	467.607	350.196	279.633	232.494	198.740	173.352	153.541	137.634	124.566	113.628	104.327	96.314	—	—	—
1000	1000	300	19	36	30	314	400	12.890	644.748	549.031	411.224	328.414	273.102	233.504	203.728	180.498	161.852	146.538	133.725	122.834	113.077	—	—	—

1/400

● I carichi a sinistra della linea comportano una freccia minore di 1/400 L, quelli a destra una freccia maggiore.

- Volendo realizzare una sollecitazione diversa da 1600 Kg/cm2, i carichi vanno variati in proporzione
- Per carichi concentrati in mezziera della trave dimezzare i valori della tabella.





## TRAVI HEA

Tabella dei carichi netti uniformemente ripartiti per @ = 1600 Kg/cm2

Il calcolo è fatto con la formula :

$$Q \text{ (Kg)} = \frac{8 \times Wx \times 1600}{L \text{ (cm)}} \text{ -- peso della trave}$$

PROFILO (Dimensioni in mm)						Peso Kg/m	Sez. cm2	Wx cm3	Jx cm4	DISTANZA TRA GLI APOGGI IN METRI												
HEA	h	b	a	e	r					3	4	5	6	7	8	9	10	11	12	13	14	
100	96	100	5,0	8,0	12	16,7	21,2	73	349	3.064	2.269	1.785	1.457	—	—	—	—	—	—	—	—	—
120	114	120	5,0	8,0	12	19,9	25,3	106	606	4.463	3.312	2.614	2.142	1.800	—	—	—	—	—	—	—	—
140	133	140	5,5	8,5	12	24,7	31,4	155	1.033	6.539	4.861	3.844	3.158	2.661	2.282	—	—	—	—	—	—	—
160	152	160	6,0	9,0	15	30,4	38,8	220	1.673	9.295	6.918	5.480	4.511	3.810	3.276	2.855	2.512	—	—	—	—	—
180	171	180	6,0	9,5	15	35,5	45,3	294	2.510	12.437	9.265	7.348	6.059	5.127	4.419	3.861	3.408	3.030	—	—	—	—
200	190	200	6,5	10,0	18	42,3	53,8	389	3.692	16.470	12.278	9.746	8.044	6.816	5.885	5.151	4.556	4.061	3.641	—	—	—
220	210	220	7,0	11,0	18	50,5	64,3	515	5.410	21.821	16.277	12.931	10.683	9.063	7.835	6.869	6.087	5.437	4.887	4.414	—	—
240	230	240	7,5	12,0	21	60,3	76,8	675	7.763	28.618	21.358	16.978	14.037	11.920	10.317	9.057	8.036	7.191	6.476	5.862	5.327	—
260	250	260	7,5	12,5	24	68,2	86,8	836	10.455	35.464	26.478	21.060	17.425	14.809	12.830	11.275	10.018	8.977	8.098	7.344	6.688	—
280	270	280	8,0	13,0	24	76,4	97,3	1.010	13.673	42.863	32.013	25.473	21.087	17.933	15.548	13.676	12.163	10.912	9.856	8.951	8.164	—
300	290	300	8,5	14,0	27	88,3	112	1.260	18.263	53.493	39.965	31.813	26.349	22.421	19.453	17.125	15.244	13.690	12.380	11.258	10.283	—
320	310	300	9,0	15,5	27	97,6	124	1.480	22.928	62.852	46.368	37.400	30.987	26.379	22.898	20.170	17.967	16.147	14.615	13.306	12.164	—
340	330	300	9,5	16,5	27	105	133	1.680	27.693	71.363	53.338	42.481	35.209	29.984	26.039	22.947	20.453	18.393	16.659	15.176	13.889	—
360	350	300	10,0	17,5	27	112	143	1.890	33.090	80.301	60.034	47.822	39.646	33.775	29.343	25.871	23.071	20.760	18.815	17.152	15.711	—
400	390	300	11,0	19,0	27	125	159	2.310	45.069	98.182	73.418	58.509	48.528	41.364	35.959	31.790	28.317	25.567	23.139	21.119	19.369	—
450	440	300	11,5	21,0	27	140	178	2.900	63.722	123.310	92.237	73.538	61.025	52.047	45.278	39.983	35.719	32.204	29.252	26.733	24.553	—
500	490	300	12,0	23,0	27	155	197	3.550	86.975	150.997	112.977	90.102	74.801	63.827	55.558	49.092	43.888	39.603	36.005	32.937	30.286	—
550	540	300	12,5	24,0	27	166	212	4.150	111.932	176.564	132.132	105.407	87.535	74.721	65.070	57.526	51.458	46.463	42.273	38.702	35.618	—
600	590	300	13,0	25,0	27	178	226	4.790	141.203	203.834	152.564	121.731	101.116	86.340	75.214	66.520	59.530	53.778	48.956	45.026	41.301	—
650	640	300	13,5	26,0	27	190	241	5.470	175.178	232.816	174.280	139.082	115.553	98.692	86.000	76.085	68.116	61.560	56.066	51.388	47.351	—
700	690	300	14,5	27,0	27	204	260	6.240	215.301	265.628	198.864	158.724	131.896	112.674	98.200	86.910	77.832	70.366	64.112	58.788	54.195	—
800	790	300	15,0	28,0	30	224	286	7.680	303.442	327.008	244.864	195.488	162.496	138.866	121.088	107.210	96.064	86.903	79.232	72.706	67.081	—
900	890	300	16,0	30,0	30	252	320	9.480	422.075	403.724	302.352	241.428	200.728	171.584	149.664	132.558	118.824	107.540	98.096	90.065	83.146	1/400
1000	990	300	16,5	31,0	30	272	347	11.190	553.846	476.624	356.992	285.104	237.088	202.713	178.864	156.698	140.512	127.218	116.096	106.642	98.500	—

● I carichi a sinistra della linea comportano una freccia minore di 1/400 L, quelli a destra una freccia maggiore.

- Volendo realizzare una sollecitazione diversa da 1600 Kg/cm2, i carichi vanno variati in proporzione.
- Per carichi concentrati in mezzera della trave dimezzare i valori della tabella.



predil s.r.l.

