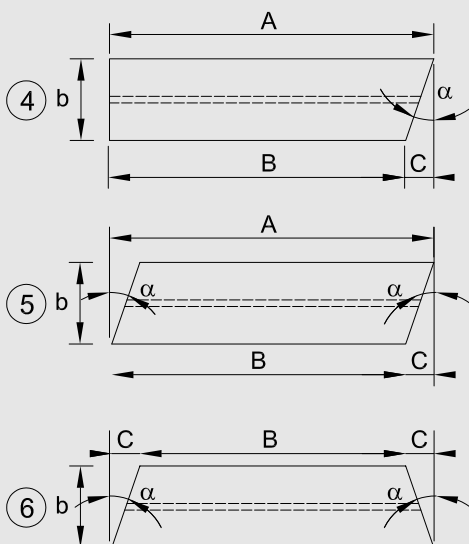
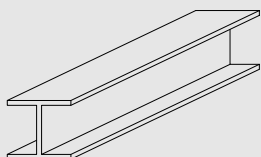
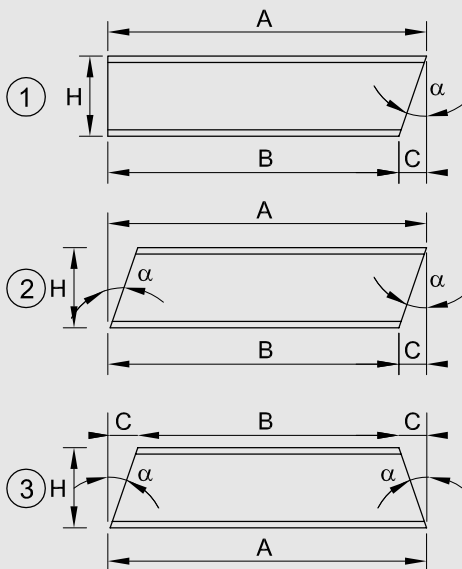
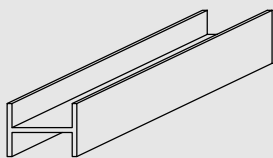
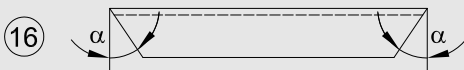
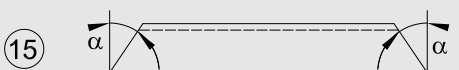
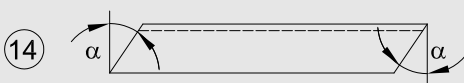
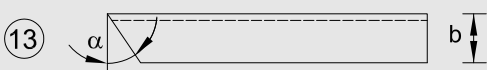
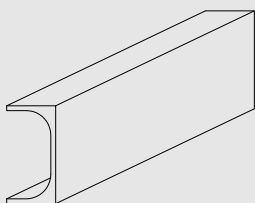
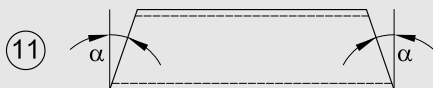
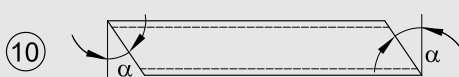
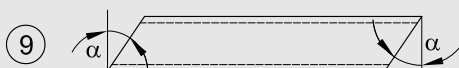
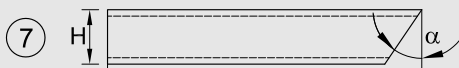
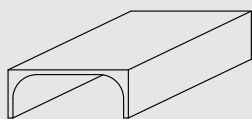


# SCHEMA TAGLI INCLINATI



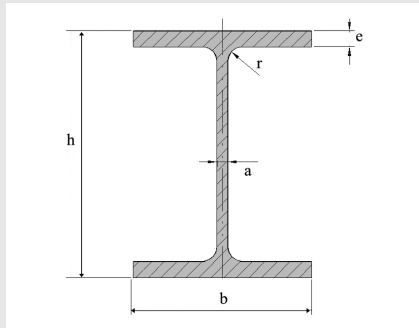


# TRAVI IPE

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times W_x \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE					Peso	Wx						
h	b	a	e	r			2,5	3	3,5	4	4,5	5
<b>80</b>	46	3,8	5,2	5	<b>6,0</b>	20	1.009	835	710	616	542	482
<b>100</b>	55	4,1	5,7	7	<b>8,1</b>	34,2	1.731	1.435	1.222	1.062	936	835
<b>120</b>	64	4,4	6,3	7	<b>10,4</b>	53	2.688	2.230	1.902	1.654	1.461	1.305
<b>140</b>	73	4,7	6,9	7	<b>12,9</b>	77,3	3.926	3.259	2.782	2.422	2.141	1.914
<b>160</b>	82	5,0	7,4	9	<b>15,8</b>	109	5.541	4.603	3.931	3.425	3.029	2.711
<b>180</b>	91	5,3	8	9	<b>18,8</b>	146	7.428	6.173	5.274	4.597	4.068	3.644
<b>200</b>	100	5,6	8,5	12	<b>22,4</b>	194	9.877	8.210	7.016	6.118	5.417	4.854
<b>220</b>	110	5,9	9,2	12	<b>26,2</b>	252	12.837	10.673	9.124	7.959	7.050	6.320
<b>240</b>	120	6,2	9,8	15	<b>30,7</b>	324	16.512	13.732	11.742	10.245	9.078	8.141
<b>270</b>	135	6,6	10,2	15	<b>36,1</b>	429	21.875	18.196	15.563	13.584	12.040	10.802
<b>300</b>	150	7,1	10,7	15	<b>42,2</b>	557	28.413	23.639	20.223	17.655	15.654	14.048
<b>330</b>	160	7,5	11,5	18	<b>49,1</b>	713	36.383	30.274	25.904	22.620	20.060	18.007
<b>360</b>	170	8,0	12,7	18	<b>57,1</b>	904	46.142	38.399	32.861	28.700	25.457	22.857
<b>400</b>	180	8,6	13,5	21	<b>66,3</b>	1160	59.226	49.294	42.191	36.855	32.697	29.365
<b>450</b>	190	9,4	14,6	21	<b>77,6</b>	1500	76.606	63.767	54.586	47.690	42.317	38.012
<b>500</b>	200	10,2	16	21	<b>90,7</b>	1930	98.589	82.075	70.265	61.397	54.490	48.955
<b>550</b>	210	11,1	17,2	24	<b>106,0</b>	2440	124.663	103.789	88.863	77.656	68.927	61.934
<b>600</b>	220	12,0	19	24	<b>122,0</b>	3070	156.879	130.621	111.847	97.752	86.775	77.982



DISTANZA TRA GLI APPOGGI IN METRI

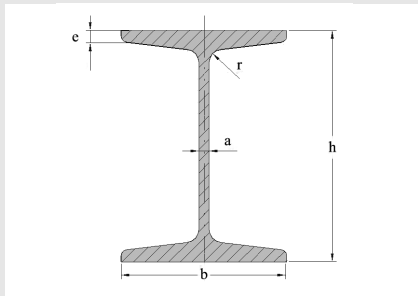
5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
-	-	-	-	-	-	-	-	-	-	-	-
751	681	-	-	-	-	-	-	-	-	-	-
1.176	1.068	976	896	827	-	-	-	-	-	-	-
1.728	1.572	1.438	1.323	1.223	1.134	-	-	-	-	-	-
2.450	2.231	2.044	1.883	1.742	1.618	1.408	-	-	-	-	-
3.294	3.002	2.753	2.538	2.351	2.186	1.907	1.681	-	-	-	-
4.392	4.004	3.675	3.391	3.143	2.925	2.558	2.259	2.011	1.801	1.619	-
5.721	5.219	4.792	4.425	4.104	3.822	3.348	2.964	2.644	2.374	2.141	1.937
7.372	6.728	6.181	5.710	5.299	4.938	4.332	3.840	3.432	3.088	2.791	2.532
9.785	8.935	8.213	7.592	7.051	6.575	5.776	5.130	4.595	4.143	3.755	3.417
12.731	11.629	10.694	9.890	9.190	8.574	7.542	6.708	6.017	5.435	4.936	4.502
16.323	14.916	13.721	12.694	11.800	11.015	9.699	8.635	7.757	7.016	6.382	5.831
20.724	18.943	17.431	16.131	15.000	14.007	12.343	11.000	9.891	8.957	8.159	7.466
26.632	24.349	22.412	20.747	19.300	18.030	15.901	14.185	12.769	11.578	10.560	9.678
34.482	31.534	29.034	26.885	25.018	23.379	20.635	18.424	16.601	15.069	13.760	12.628
44.418	40.629	37.417	34.657	32.258	30.154	26.633	23.797	21.460	19.498	17.824	16.376
56.202	51.417	47.360	43.875	40.848	38.192	33.748	30.172	27.227	24.755	22.647	20.825
70.776	64.761	59.662	55.283	51.480	48.144	42.564	38.076	34.382	31.283	28.642	26.361

# TRAVI INP

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times W_x \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE					Peso	Wx							
h	b	a	e	r			2,5	3	3,5	4	4,5	5	
80	42	3,9	5,9	3,9	<b>5,9</b>	19,4	979	810	689	597	525	467	
100	50	4,5	6,8	4,5	<b>8,3</b>	34,1	1.725	1.430	1.218	1.058	933	831	
120	58	5,1	7,7	5,1	<b>11,1</b>	54,5	2.763	2.292	1.954	1.700	1.500	1.340	
140	66	5,7	8,6	5,7	<b>14,3</b>	81,8	4.152	3.447	2.941	2.560	2.262	2.023	
160	74	6,3	9,5	6,3	<b>17,9</b>	117	5.946	4.938	4.216	3.672	3.247	2.906	
180	82	6,9	10,4	6,9	<b>21,9</b>	161	8.188	6.804	5.811	5.064	4.481	4.012	
200	90	7,5	11,3	7,5	<b>26,2</b>	214	10.891	9.052	7.735	6.743	5.969	5.347	
220	98	8,1	12,2	8,1	<b>31,0</b>	278	14.156	11.768	10.058	8.772	7.768	6.962	
240	106	8,7	13,1	8,7	<b>36,2</b>	353	17.983	14.953	12.783	11.151	9.878	8.856	
260	113	9,4	14,1	9,4	<b>41,9</b>	441	22.474	18.690	15.981	13.944	12.355	11.080	
280	119	10,1	15,2	10,1	<b>47,9</b>	541	27.579	22.939	19.617	17.120	15.173	13.610	
300	125	10,8	16,2	10,8	<b>54,2</b>	652	33.247	27.656	23.655	20.647	18.302	16.420	
320	131	11,5	17,3	11,5	<b>61,0</b>	781	39.835	33.140	28.349	24.748	21.941	19.689	
340	137	12,2	18,3	12,2	<b>68,0</b>	922	47.036	39.135	33.481	29.232	25.920	23.263	
360	143	13,0	19,5	13,0	<b>76,1</b>	1087	55.464	46.150	39.487	34.480	30.577	27.447	
380	149	13,7	20,5	13,7	<b>84,0</b>	1262	64.404	53.593	45.859	40.048	35.519	31.887	
400	155	14,4	21,6	14,4	<b>92,5</b>	1461	74.572	62.059	53.107	46.382	41.141	36.939	
425	163	15,3	23,0	15,3	<b>104,0</b>	1738	88.726	73.843	63.197	55.200	48.968	43.973	
450	170	16,2	24,3	16,2	<b>115,0</b>	2035	103.905	86.482	74.020	64.660	57.367	51.521	
475	178	17,1	25,6	17,1	<b>128,0</b>	2375	121.280	100.949	86.409	75.488	66.980	60.160	
500	185	18,0	27,0	18,0	<b>141,0</b>	2746	140.243	116.740	99.932	87.308	77.474	69.593	
550	200	19,0	30,0	19,0	<b>166,0</b>	3598	183.803	153.017	131.003	114.472	101.596	91.279	
600	215	21,6	32,4	21,6	<b>199,0</b>	4626	236.354	196.779	168.483	147.236	130.689	117.431	



DISTANZA TRA GLI APPOGGI IN METRI

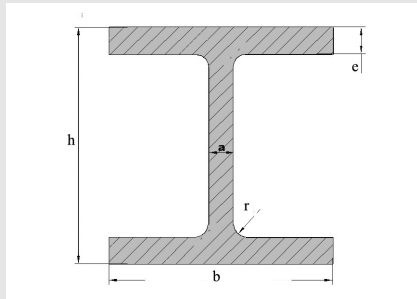
5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
419	378	-	-	-	-	-	-	-	-	-	-
748	678	618	565	-	-	-	-	-	-	-	-
1.207	1.096	1.001	919	847	-	-	-	-	-	-	-
1.825	1.659	1.518	1.396	1.289	1.194	-	-	-	-	-	-
2.624	2.389	2.188	2.014	1.863	1.729	1.503	-	-	-	-	-
3.626	3.303	3.028	2.791	2.583	2.401	2.093	1.842	-	-	-	-
4.836	4.408	4.044	3.730	3.456	3.214	2.808	2.477	2.202	1.968	1.766	-
6.299	5.745	5.273	4.866	4.512	4.200	3.675	3.248	2.894	2.593	2.334	2.108
8.016	7.313	6.716	6.201	5.753	5.358	4.695	4.156	3.709	3.331	3.005	2.721
10.033	9.157	8.412	7.771	7.212	6.721	5.895	5.226	4.671	4.201	3.797	3.445
12.327	11.254	10.342	9.557	8.874	8.273	7.263	6.446	5.768	5.196	4.704	4.276
14.876	13.584	12.487	11.543	10.721	9.998	8.785	7.804	6.991	6.304	5.715	5.202
17.841	16.295	14.983	13.854	12.872	12.008	10.559	9.387	8.417	7.599	6.897	6.287
21.083	19.261	17.714	16.383	15.225	14.208	12.501	11.122	9.981	9.019	8.194	7.478
24.879	22.733	20.911	19.344	17.981	16.783	14.775	13.153	11.812	10.681	9.713	8.873
28.908	26.419	24.306	22.489	20.908	19.520	17.192	15.314	13.761	12.453	11.334	10.362
33.493	30.613	28.169	26.068	24.241	22.636	19.946	17.776	15.983	14.474	13.183	12.063
39.876	36.453	33.549	31.053	28.882	26.976	23.782	21.206	19.080	17.291	15.761	14.434
46.728	42.723	39.326	36.406	33.868	31.640	27.907	24.898	22.415	20.327	18.542	16.996
54.569	49.899	45.937	42.533	39.573	36.976	32.626	29.120	26.228	23.797	21.721	19.922
63.131	57.735	53.159	49.226	45.808	42.808	37.785	33.739	30.402	27.599	25.205	23.132
82.822	75.761	69.774	64.630	60.161	56.240	49.678	44.394	40.042	36.387	33.268	30.572
106.565	97.494	89.803	83.197	77.458	72.424	64.001	57.223	51.641	46.956	42.961	39.509

# TRAVI HEA

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times Wx \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE						Peso	Wx						
HE	h	b	a	e	r			2,5	3	3,5	4	4,5	5
100	96	100	5,0	8,0	12,0	16,7	73	3.696	3.065	2.611	2.269	2.001	1.785
120	114	120	5,0	8,0	12,0	19,9	106	5.377	4.463	3.807	3.312	2.926	2.614
140	133	140	5,5	8,5	12,0	24,7	155	7.874	6.539	5.582	4.861	4.298	3.845
160	152	160	6,0	9,0	15,0	30,4	220	11.188	9.295	7.939	6.918	6.121	5.480
180	171	180	6,0	9,5	15,0	35,5	294	14.964	12.438	10.628	9.266	8.203	7.349
200	190	200	6,5	10,0	18,0	42,3	389	19.811	16.470	14.078	12.279	10.875	9.747
220	210	220	7,0	11,0	18,0	50,5	515	26.242	21.822	18.658	16.278	14.422	12.932
240	230	240	7,5	12,0	21,0	60,3	675	34.409	28.619	24.475	21.359	18.929	16.979
260	250	260	7,5	12,5	24,0	68,2	836	42.633	35.465	30.335	26.479	23.473	21.061
280	270	280	8,0	13,0	24,0	76,4	1010	51.521	42.864	36.670	32.014	28.385	25.474
300	290	300	8,5	14,0	27,0	88,3	1260	64.291	53.495	45.771	39.967	35.443	31.815
320	310	300	9,0	15,5	27,0	97,6	1480	75.532	62.854	53.784	46.970	41.659	37.400
340	330	300	9,5	16,5	27,0	105,0	1680	85.754	71.365	61.073	53.340	47.314	42.483
360	350	300	10,0	17,5	27,0	112,0	1890	96.488	80.304	68.728	60.032	53.256	47.824
400	390	300	11,0	19,0	27,0	125,0	2310	117.960	98.185	84.043	73.420	65.144	58.511
450	440	300	11,5	21,0	27,0	140,0	2900	148.130	123.313	105.567	92.240	81.859	73.540
500	490	300	12,0	23,0	27,0	155,0	3550	181.373	151.002	129.286	112.980	100.280	90.105
550	540	300	12,5	24,0	27,0	166,0	4150	212.065	176.569	151.190	132.136	117.297	105.410
600	590	300	13,0	25,0	27,0	178,0	4790	244.803	203.839	174.554	152.568	135.448	121.734
650	640	300	13,5	26,0	27,0	190,0	5470	279.589	232.817	199.381	174.280	154.736	139.082
700	690	300	14,5	27,0	27,0	204,0	6240	318.978	265.628	227.492	198.864	176.575	158.724
800	790	300	15,0	28,0	30,0	224,0	7680	392.656	327.008	280.085	244.864	217.445	195.488
900	890	300	16,0	30,0	30,0	252,0	9480	484.746	403.724	345.815	302.352	268.519	241.428
1000	990	300	16,5	31,0	30,0	272,0	11190	572.248	476.624	408.282	356.992	317.069	285.104



DISTANZA TRA GLI APOGGI IN METRI

5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
1.607	1.457	-	-	-	-	-	-	-	-	-	-
2.357	2.142	1.958	1.799	-	-	-	-	-	-	-	-
3.471	3.158	2.892	2.661	2.460	-	-	-	-	-	-	-
4.953	4.511	4.135	3.810	3.527	3.277	-	-	-	-	-	-
6.647	6.059	5.559	5.128	4.751	4.420	3.862	-	-	-	-	-
8.820	8.045	7.385	6.817	6.322	5.886	5.152	4.556	-	-	-	-
11.708	10.684	9.813	9.064	8.411	7.836	6.870	6.087	5.437	4.887	4.414	-
15.377	14.038	12.900	11.921	11.068	10.318	9.057	8.037	7.191	6.476	5.862	5.327
19.081	17.425	16.019	14.809	13.756	12.830	11.276	10.019	8.978	8.099	7.345	6.689
23.085	21.088	19.393	17.934	16.664	15.549	13.677	12.164	10.912	9.857	8.951	8.165
28.838	26.350	24.238	22.422	20.842	19.454	17.125	15.245	13.691	12.380	11.258	10.284
33.907	30.988	28.510	26.380	24.527	22.899	20.170	17.968	16.148	14.615	13.304	12.165
38.521	35.210	32.401	29.985	27.885	26.040	22.948	20.454	18.394	16.660	15.177	13.890
43.369	39.648	36.490	33.776	31.416	29.344	25.872	23.072	20.761	18.816	17.153	15.712
53.073	48.530	44.677	41.365	38.487	35.960	31.728	28.318	25.505	23.140	21.120	19.370
66.721	61.027	56.198	52.049	48.443	45.280	39.984	35.720	32.205	29.253	26.734	24.554
81.766	74.803	68.900	63.829	59.424	55.560	49.094	43.890	39.604	36.007	32.939	30.287
95.669	87.537	80.644	74.724	69.582	65.072	57.528	51.460	46.465	42.275	38.704	35.619
110.497	101.119	93.169	86.343	80.414	75.216	66.522	59.532	53.780	48.957	44.849	41.302
126.257	115.553	106.482	98.693	91.930	86.000	76.086	68.116	61.561	56.067	51.388	47.351
144.100	131.896	121.554	112.675	104.966	98.208	86.911	77.832	70.367	64.112	58.788	54.195
177.503	162.496	149.781	138.866	129.392	121.088	107.211	96.064	86.903	79.232	72.706	67.081
219.239	200.728	185.045	171.585	159.902	149.664	132.559	118.824	107.541	98.096	90.066	83.146
258.926	237.088	218.589	202.713	188.936	176.864	156.699	140.512	127.219	116.096	106.642	98.501

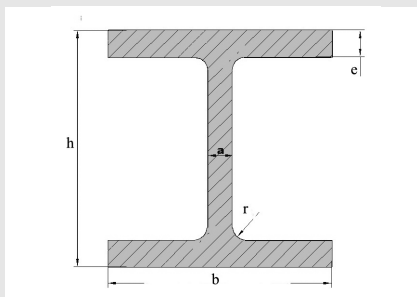


# TRAVI HEB

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times W_x \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE						Peso	Wx						
HE	h	b	a	e	r			2,5	3	3,5	4	4,5	5
<b>100</b>	100	100	6,0	10,0	12,0	<b>20,4</b>	90	4.557	3.779	3.220	2.798	2.468	2.202
<b>120</b>	120	120	6,5	11,0	12,0	<b>26,7</b>	144	7.306	6.064	5.173	4.501	3.976	3.553
<b>140</b>	140	140	7,0	12,0	12,0	<b>33,7</b>	216	10.975	9.115	7.781	6.777	5.992	5.361
<b>160</b>	160	160	8,0	13,0	15,0	<b>42,6</b>	311	15.817	13.142	11.225	9.782	8.655	7.749
<b>180</b>	180	180	8,5	14,0	15,0	<b>51,2</b>	426	21.683	18.022	15.400	13.427	11.887	10.650
<b>200</b>	200	200	9,0	15,0	18,0	<b>61,3</b>	570	29.031	24.136	20.631	17.995	15.937	14.286
<b>220</b>	220	220	9,5	16,0	18,0	<b>71,5</b>	736	37.504	31.188	26.666	23.266	20.613	18.484
<b>240</b>	240	240	10,0	17,0	21,0	<b>83,2</b>	938	47.818	39.772	34.013	29.683	26.306	23.597
<b>260</b>	260	260	10,0	17,5	24,0	<b>93,0</b>	1150	58.648	48.788	41.732	36.428	32.293	28.975
<b>280</b>	280	280	10,5	18,0	24,0	<b>103,0</b>	1380	70.399	58.571	50.108	43.748	38.790	34.813
<b>300</b>	300	300	11,0	19,0	27,0	<b>117,0</b>	1680	85.724	71.329	61.031	53.292	47.260	42.423
<b>320</b>	320	300	11,5	20,5	27,0	<b>127,0</b>	1930	98.499	81.966	70.138	61.252	54.326	48.773
<b>340</b>	340	300	12,0	21,5	27,0	<b>134,0</b>	2160	110.257	91.758	78.525	68.584	60.837	54.626
<b>360</b>	360	300	12,5	22,5	27,0	<b>142,0</b>	2400	122.525	101.974	87.274	76.232	67.628	60.730
<b>400</b>	400	300	13,5	24,0	27,0	<b>155,0</b>	2880	147.069	122.415	104.783	91.540	81.223	72.953
<b>450</b>	450	300	14,0	26,0	27,0	<b>171,0</b>	3550	181.333	150.954	129.230	112.916	100.208	90.025
<b>500</b>	500	300	14,5	28,0	27,0	<b>187,0</b>	4290	219.181	182.479	156.237	136.532	121.185	108.889
<b>550</b>	550	300	15,0	29,0	27,0	<b>199,0</b>	4970	253.967	211.456	181.064	158.244	140.473	126.237
<b>600</b>	600	300	15,5	30,0	27,0	<b>212,0</b>	5700	291.310	242.564	207.715	181.552	161.179	144.860
<b>650</b>	650	300	16,0	31,0	27,0	<b>225,0</b>	6480	331.214	275.805	236.195	206.460	183.308	164.763
<b>700</b>	700	300	17,0	32,0	27,0	<b>241,0</b>	7340	375.206	312.450	267.591	233.916	207.698	186.699
<b>800</b>	800	300	17,5	33,0	30,0	<b>262,0</b>	8980	459.121	382.361	327.494	286.312	254.252	228.578
<b>900</b>	900	300	18,5	35,0	30,0	<b>291,0</b>	10980	561.449	467.607	400.536	350.196	311.011	279.633
<b>1000</b>	1000	300	19,0	36,0	30,0	<b>314,0</b>	12890	659.183	549.031	470.307	411.224	365.236	328.414



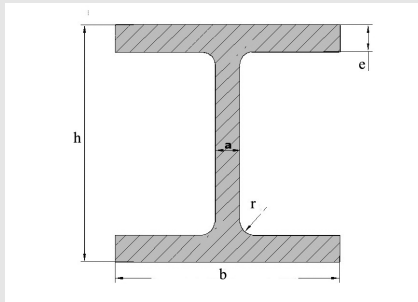
Distanza tra gli appoggi in metri											
5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
1.982	1.798	1.640	1.503	-	-	-	-	-	-	-	-
3.204	2.912	2.662	2.446	2.257	2.090	-	-	-	-	-	-
4.842	4.406	4.034	3.714	3.434	3.186	2.769	-	-	-	-	-
7.004	6.379	5.847	5.389	4.988	4.635	4.040	3.555	-	-	-	-
9.633	8.781	8.056	7.431	6.886	6.406	5.598	4.941	4.394	-	-	-
12.928	11.792	10.826	9.994	9.268	8.630	7.555	6.683	5.958	5.344	-	-
16.735	15.272	14.029	12.958	12.025	11.204	9.824	8.706	7.778	6.993	6.317	-
21.372	19.511	17.931	16.570	15.385	14.342	12.592	11.174	10.000	9.007	8.154	7.411
26.252	23.975	22.042	20.378	18.929	17.656	15.519	13.790	12.359	11.151	10.114	9.212
31.550	28.822	26.506	24.513	22.780	21.256	18.700	16.634	14.925	13.484	12.249	11.175
38.455	35.138	32.323	29.901	27.795	25.944	22.840	20.334	18.262	16.516	15.021	13.722
44.218	40.411	37.181	34.402	31.986	29.864	26.306	23.434	21.061	19.063	17.352	15.868
49.532	45.276	41.664	38.559	35.859	33.488	29.514	26.308	23.661	21.432	19.526	17.873
55.074	50.348	46.339	42.892	39.895	37.264	32.855	29.300	26.365	23.896	21.785	19.955
66.173	60.510	55.706	51.578	47.990	44.840	39.565	35.314	31.808	28.860	26.342	24.161
81.678	74.707	68.796	63.717	59.304	55.432	48.950	43.730	39.428	35.815	32.731	30.063
98.812	90.398	83.265	77.137	71.814	67.144	59.330	53.042	47.863	43.516	39.809	36.605
114.571	104.833	96.577	89.487	83.329	77.928	68.893	61.626	55.644	50.625	46.348	42.654
131.489	120.328	110.868	102.745	95.690	89.504	79.159	70.840	63.995	58.256	53.367	49.146
149.570	136.890	126.144	116.916	108.905	101.880	90.135	80.694	72.929	66.420	60.878	56.096
169.496	155.141	142.975	132.530	123.462	115.512	102.222	91.542	82.760	75.401	69.138	63.735
207.548	190.001	175.134	162.372	151.294	141.584	125.358	112.324	101.613	92.643	85.012	78.435
253.934	232.494	214.330	198.740	185.210	173.352	153.541	137.634	124.566	113.628	104.328	96.315
298.258	273.103	251.793	233.505	217.634	203.728	180.498	161.852	146.539	133.725	122.835	113.455

# TRAVI HEM

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times Wx \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE						Peso	Wx						
HE	h	b	a	e	r			2,5	3	3,5	4	4,5	5
<b>100</b>	120	106	12,0	20,0	12,0	<b>41,8</b>	190	9.624	7.981	6.802	5.913	5.216	4.655
<b>120</b>	140	126	12,5	21,0	12,0	<b>52,1</b>	288	14.615	12.132	10.350	9.008	7.958	7.112
<b>140</b>	160	146	13,0	22,0	12,0	<b>63,2</b>	411	20.885	17.346	14.810	12.899	11.406	10.206
<b>160</b>	180	166	14,0	23,0	15,0	<b>76,2</b>	566	28.789	23.921	20.433	17.807	15.757	14.109
<b>180</b>	200	186	14,5	24,0	15,0	<b>88,9</b>	748	38.075	31.648	27.044	23.580	20.876	18.704
<b>200</b>	220	206	15,0	25,0	18,0	<b>103,0</b>	967	49.253	40.950	35.004	30.532	27.042	24.240
<b>220</b>	240	226	15,5	26,0	18,0	<b>117,0</b>	1220	62.172	51.702	44.208	38.572	34.176	30.647
<b>240</b>	270	248	18,0	32,0	21,0	<b>157,0</b>	1800	91.768	76.329	65.279	56.972	50.494	45.295
<b>260</b>	290	268	18,0	32,5	24,0	<b>172,0</b>	2160	110.162	91.644	78.392	68.432	60.666	54.436
<b>280</b>	310	288	18,5	33,0	24,0	<b>189,0</b>	2550	130.088	108.233	92.596	80.844	71.683	64.335
<b>300</b>	340	310	21,0	39,0	27,0	<b>238,0</b>	3480	177.581	147.766	126.436	110.408	97.916	87.898
<b>320</b>	359	309	21,0	40,0	27,0	<b>245,0</b>	3800	193.948	161.398	138.114	120.620	106.986	96.055
<b>340</b>	377	309	21,0	40,0	27,0	<b>248,0</b>	4050	206.740	172.056	147.246	128.608	114.084	102.440
<b>360</b>	395	308	21,0	40,0	27,0	<b>250,0</b>	4300	219.535	182.717	156.382	136.600	121.186	108.830
<b>400</b>	432	307	21,0	40,0	27,0	<b>256,0</b>	4820	246.144	204.885	175.378	153.216	135.950	122.112
<b>450</b>	478	307	21,0	40,0	27,0	<b>263,0</b>	5500	280.943	233.878	200.222	174.948	155.261	139.485
<b>500</b>	524	306	21,0	40,0	27,0	<b>270,0</b>	6180	315.741	262.870	225.066	196.680	174.572	156.858
<b>550</b>	572	306	21,0	40,0	27,0	<b>278,0</b>	6920	353.609	294.419	252.101	220.328	195.585	175.762
<b>600</b>	620	305	21,0	40,0	27,0	<b>285,0</b>	7660	391.480	325.972	279.140	243.980	216.602	194.671
<b>650</b>	668	305	21,0	40,0	27,0	<b>293,0</b>	8430	430.884	358.801	307.272	268.588	238.468	214.343
<b>700</b>	716	304	21,0	40,0	27,0	<b>301,0</b>	9200	470.288	391.630	335.404	293.196	260.334	234.015
<b>800</b>	814	303	21,0	40,0	30,0	<b>317,0</b>	10870	555.752	462.836	396.422	346.572	307.765	276.687
<b>900</b>	910	302	21,0	40,0	30,0	<b>333,0</b>	12540	641.216	534.041	457.440	399.948	355.195	319.359
<b>1000</b>	1008	302	21,0	40,0	30,0	<b>349,0</b>	14330	732.824	610.366	522.847	457.164	406.038	365.103



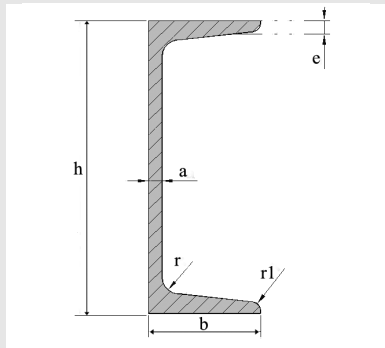
Distanza tra gli appoggi in metri											
5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
4.192	3.803	3.470	3.182	2.929	2.706						
6.416	5.831	5.333	4.902	4.524	4.191	3.627					
9.217	8.389	7.683	7.073	6.540	6.070	5.277	4.629				
12.753	11.617	10.651	9.816	9.088	8.446	7.364	6.483	5.748			
16.919	15.424	14.152	13.055	12.099	11.257	9.838	8.685	7.726	6.912		
21.938	20.011	18.373	16.961	15.731	14.648	12.826	11.348	10.119	9.079	8.182	
27.749	25.325	23.264	21.490	19.944	18.584	16.298	14.446	12.909	11.609	10.491	9.516
41.027	37.458	34.426	31.815	29.543	27.544	24.187	21.470	19.218	17.316	15.682	14.259
49.323	45.048	41.417	38.293	35.574	33.184	29.172	25.928	23.243	20.976	19.032	17.341
58.306	53.266	48.987	45.306	42.103	39.288	34.566	30.750	27.594	24.932	22.651	20.668
79.680	72.812	66.982	61.968	57.607	53.776	47.351	42.164	37.877	34.264	31.171	28.485
87.089	79.597	73.238	67.771	63.016	58.840	51.839	46.190	41.523	37.593	34.230	31.313
92.891	84.912	78.142	72.321	67.260	62.816	55.368	49.360	44.399	40.224	36.653	33.557
98.698	90.233	83.052	76.879	71.512	66.800	58.906	52.540	47.286	42.867	39.088	35.814
110.767	101.291	93.253	86.345	80.341	75.072	66.247	59.136	53.271	48.341	44.130	40.485
126.554	115.755	106.598	98.730	91.894	85.896	75.855	67.770	61.107	55.511	50.735	46.604
142.340	130.220	119.943	111.116	103.447	96.720	85.463	76.404	68.943	62.680	57.339	52.723
159.518	145.959	134.464	124.591	116.016	108.496	95.916	85.796	77.466	70.477	64.521	59.377
176.702	161.703	148.991	138.074	128.593	120.280	106.377	95.198	86.000	78.287	71.717	66.044
194.578	178.082	164.102	152.098	141.675	132.536	117.256	104.974	94.872	86.404	79.194	72.972
212.454	194.461	179.213	166.122	154.756	144.792	128.135	114.750	103.744	94.521	86.672	79.900
251.231	229.991	211.995	196.547	183.137	171.384	151.743	135.966	123.000	112.143	102.907	94.945
290.009	265.522	244.777	226.972	211.519	197.976	175.350	157.182	142.257	129.764	119.142	109.989
331.579	303.613	279.922	259.591	241.948	226.488	200.663	179.934	162.910	148.665	136.558	126.131

# FERRI UPN

Carichi netti uniformemente ripartiti per  $\sigma = 1600 \text{ Kg/cm}^2$

$$Q \text{ (Kg)} = \frac{8 \times Wx \times 1600}{L \text{ (cm)}} - \text{PESO DELLA TRAVE}$$

MISURE					Peso	Wx							
U	h	b	a	e			2,5	3	3,5	4	4,5	5	
<b>30</b>	30	33	5,0	7,0	<b>4,27</b>	4,3	209	171	142	121	103		
<b>40</b>	40	35	5,0	7,0	<b>4,87</b>	7,1	351	288	243	208	180	157	
<b>50</b>	50	38	5,0	7,0	<b>5,59</b>	10,6	529	435	368	317	276	243	
<b>65</b>	65	42	5,5	7,5	<b>7,09</b>	17,7	889	734	622	538	472	418	
<b>80</b>	80	45	6,0	8,0	<b>8,64</b>	26,5	1.335	1.105	939	813	715	635	
<b>100</b>	100	50	6,0	8,5	<b>10,60</b>	41,1	2.078	1.722	1.466	1.273	1.121	999	
<b>120</b>	120	55	7,0	9,0	<b>13,35</b>	60,7	3.074	2.550	2.173	1.889	1.667	1.487	
<b>140</b>	140	60	7,0	10,0	<b>16,01</b>	86,4	4.384	3.638	3.104	2.701	2.386	2.132	
<b>160</b>	160	65	7,5	10,5	<b>18,84</b>	116	5.892	4.893	4.176	3.637	3.215	2.875	
<b>180</b>	180	70	8,0	11,0	<b>21,98</b>	150	7.625	6.334	5.409	4.712	4.168	3.730	
<b>200</b>	200	75	8,5	11,5	<b>25,28</b>	191	9.716	8.073	6.897	6.011	5.319	4.763	
<b>220</b>	220	80	9,0	12,5	<b>29,36</b>	245	12.471	10.365	8.857	7.723	6.837	6.125	
<b>240</b>	240	85	9,5	13,0	<b>33,21</b>	300	15.277	12.700	10.855	9.467	8.384	7.514	
<b>260</b>	260	90	10,0	14,0	<b>37,92</b>	371	18.900	15.716	13.435	11.720	10.382	9.308	
<b>280</b>	280	95	10,0	15,0	<b>41,84</b>	448	22.833	18.989	16.238	14.169	12.555	11.260	
<b>300</b>	300	100	10,0	16,0	<b>46,16</b>	535	27.277	22.688	19.404	16.935	15.010	13.465	
<b>320</b>	320	100	14,0	17,5	<b>59,50</b>	679	34.616	28.792	24.624	21.490	19.046	17.085	
<b>350</b>	350	100	14,0	16,0	<b>60,60</b>	734	37.429	31.136	26.631	23.246	20.606	18.487	
<b>380</b>	380	102	13,5	16,0	<b>63,10</b>	829	42.287	35.181	30.097	26.276	23.296	20.907	
<b>400</b>	400	110	14,0	18,0	<b>71,80</b>	1020	52.045	43.305	37.052	32.353	28.690	25.753	



DISTANZA TRA GLI APPOGGI IN METRI

5,5	6	6,5	7	7,5	8	9	10	11	12	13	14
216	193										
373	335										
569	513										
898	813										
1.339	1.215	1.109	1.016								
1.923	1.747	1.597	1.468	1.354	1.254						
2.596	2.362	2.162	1.989	1.838	1.705	1.480					
3.370	3.068	2.811	2.589	2.395	2.224	1.936	1.700				
4.306	3.923	3.597	3.316	3.070	2.854	2.489	2.192	1.944	1.734	1.552	
5.540	5.051	4.634	4.274	3.961	3.685	3.220	2.842	2.528	2.261	2.031	1.829
6.799	6.201	5.692	5.253	4.871	4.534	3.968	3.508	3.126	2.801	2.522	2.278
8.426	7.687	7.059	6.519	6.047	5.633	4.935	4.370	3.900	3.502	3.160	2.861
10.196	9.306	8.550	7.899	7.332	6.833	5.995	5.316	4.753	4.277	3.867	3.510
12.197	11.136	10.235	9.460	8.784	8.191	7.193	6.386	5.718	5.153	4.668	4.245
15.475	14.128	12.984	12.000	11.142	10.388	9.121	8.096	7.247	6.529	5.912	5.375
16.749	15.295	14.060	12.998	12.072	11.259	9.894	8.789	7.874	7.102	6.439	5.862
18.946	17.307	15.915	14.717	13.675	12.759	11.222	9.980	8.952	8.085	7.342	6.696
23.343	21.329	19.619	18.149	16.870	15.746	13.860	12.338	11.079	10.018	9.110	8.321