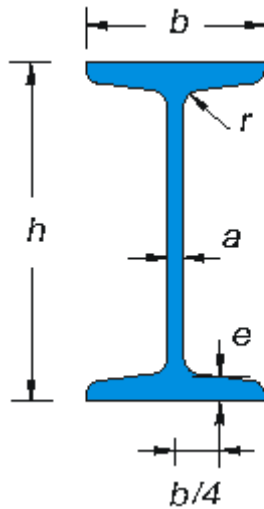


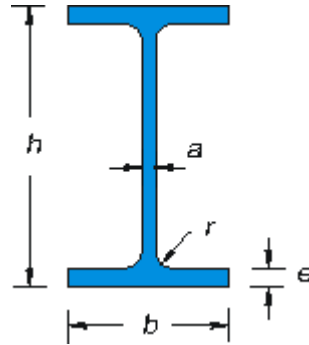
Tablelle dimensionali profilati

Travi INP - serie normale UNI 5679-73



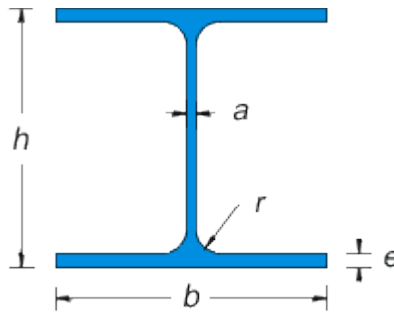
h mm	b mm	a mm	e mm	r mm	Peso kg/m	Sezione cm ²	Momenti di inerzia		Moduli di resistenza		Raggi di inerzia	
							Jx cm ⁴	Jy cm ⁴	Wx cm ³	Wy cm ³	ix cm	iy cm
80	42	3,9	5,9	3,9	5,94	7,57	77,7	6,28	19,4	2,99	3,20	0,91
100	50	4,5	6,8	4,5	8,34	10,6	170	12,1	34,1	4,86	4,00	1,07
120	58	5,1	7,7	5,1	11,1	14,2	328	21,5	54,7	7,41	4,81	1,23
140	66	5,7	8,6	5,7	14,3	18,3	573	35,2	81,9	10,7	5,61	1,40
160	74	6,3	9,5	6,3	17,9	22,8	935	54,7	117	14,8	6,40	1,55
180	82	6,9	10,4	6,9	21,9	27,9	1.450	81,3	161	19,8	7,20	1,71
200	90	7,5	11,3	7,5	26,2	33,4	2.140	117	214	26,0	8,00	1,87
220	98	8,1	12,2	8,1	31,1	39,5	3.060	162	278	33,1	8,80	2,02
240	106	8,7	13,1	8,7	36,2	46,1	4.250	221	354	41,7	9,59	2,20
260	113	9,4	14,1	9,4	41,9	53,3	5.740	288	442	51,0	10,40	2,32
280	119	10,1	15,2	10,1	47,9	61,0	7.590	364	542	61,2	11,10	2,45
300	125	10,8	16,2	10,8	54,2	69,0	9.800	451	653	72,2	11,9	2,56
320	131	11,5	17,3	11,5	61,0	77,7	12.510	555	782	84,7	12,7	2,67
340	137	12,2	18,3	12,2	68,0	86,7	15.700	674	923	98,4	13,5	2,80
360	143	13,0	19,5	13,0	76,1	97,0	19.610	818	1.090	114	14,2	2,90
380	149	13,7	20,5	13,7	84,0	107	24.010	975	1.260	131	15,0	3,02
400	155	14,4	21,6	14,4	92,4	118	29.210	1.160	1.460	149	15,7	3,13
450	170	16,2	24,3	16,2	115	147	45.850	1.730	2.040	203	17,7	3,43
500	185	18,0	27,0	18,0	141	179	68.740	2.480	2.750	268	19,6	3,72
550	200	19,0	30,0	19,0	166	212	99.180	3.480	3.610	349	21,6	4,02
600	215	21,6	32,4	21,6	199	254	138.800	4.679	4.626	435	23,4	4,29

Travi IPE ad ali parallele UNI 5398-78



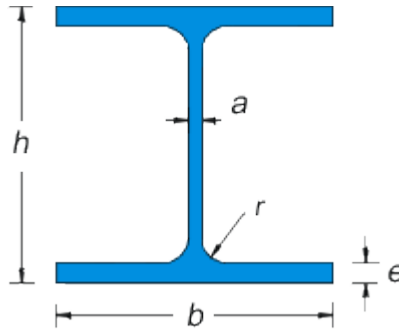
h mm	b mm	a mm	e mm	r mm	Peso kg/m	Sezione cm ²	Momenti di inerzia		Moduli di resistenza		Raggi di inerzia	
							Jx cm ⁴	Jy cm ⁴	Wx cm ³	Wy cm ³	ix cm	iy cm
80	46	3,8	5,2	5	6,0	7,64	80,14	8,49	20,03	3,69	3,24	1,05
100	55	4,1	5,7	7	8,1	10,32	171,0	15,92	34,20	5,79	4,07	1,24
120	64	4,4	6,3	7	10,4	13,21	317,8	27,67	52,96	8,65	4,90	1,45
140	73	4,7	6,9	7	12,9	16,43	541,2	44,92	77,32	12,31	5,74	1,65
160	82	5,0	7,4	9	15,8	20,09	869,3	68,31	108,7	16,66	6,58	1,84
180	91	5,3	8,0	9	18,8	23,95	1.317	100,9	146,3	22,16	7,42	2,05
200	100	5,6	8,5	12	22,4	28,48	1.943	142,4	194,3	28,47	8,26	2,24
220	110	5,9	9,2	12	26,2	33,37	2.772	204,9	252,0	37,25	9,11	2,48
240	120	6,2	9,8	15	30,7	39,12	3.892	283,6	324,3	47,27	9,97	2,69
270	135	6,6	10,2	15	36,1	45,95	5.790	419,9	428,9	62,20	11,23	3,02
300	150	7,1	10,7	15	42,2	53,81	8.356	603,8	557,1	80,50	12,46	3,35
330	160	7,5	11,5	18	49,1	62,61	11.770	788,1	713,1	98,52	13,71	3,55
360	170	8,0	12,7	18	57,1	72,73	16.270	1.043	903,6	122,8	14,95	3,79
400	180	8,6	13,5	21	66,3	84,46	23.130	1.318	1.156	146,4	16,55	3,95
450	190	9,4	14,6	21	77,6	98,82	33.740	1.676	1.500	176,4	18,48	4,12
500	200	10,2	16,0	21	90,7	115,5	48.200	2.142	1.928	214,2	20,43	4,31
550	210	11,1	17,2	24	106	134,4	67.120	2.668	2.441	254,1	22,35	4,45
600	220	12,0	19,0	24	122	156,0	92.080	3.387	3.069	307,9	24,30	4,66

Travi HEA ad ali larghe parallele - serie alleggerita UNI 5397-78



HEA	b mm	h mm	a mm	e mm	r mm	Peso kg/m	Sezione cm ²	Momenti di inerzia		Moduli di resistenza		Raggi di inerzia	
								Jx cm ⁴	Jy cm ⁴	Wx cm ³	Wy cm ³	ix cm	iy cm
100	100	96	5,0	8,0	12	16,7	21,24	349,2	133,8	72,76	26,76	4,06	2,51
120	120	114	5,0	8,0	12	19,9	25,34	606,2	230,9	106,3	38,48	4,89	3,02
140	140	133	5,5	8,5	12	24,7	31,42	1.033	389,3	155,4	55,62	5,73	3,52
160	160	152	6,0	9,0	15	30,4	38,77	1.673	615,6	220,1	76,95	6,57	3,98
180	180	171	6,0	9,5	15	35,5	45,25	2.510	924,6	293,6	102,7	7,45	4,52
200	200	190	6,5	10,0	18	42,3	53,83	3.692	1.326	388,6	133,6	8,28	4,98
220	220	210	7,0	11,0	18	50,5	64,34	5.410	1.955	515,2	177,7	9,17	5,51
240	240	230	7,5	12,0	21	60,3	76,84	7.763	2.769	675,1	230,7	10,05	6,00
260	260	250	7,5	12,5	24	68,2	86,82	10.450	3.668	836,4	282,1	10,97	6,50
280	280	270	8,0	13,0	24	76,4	97,26	13.670	4.763	1.013	340,2	11,86	7,00
300	300	290	8,5	14,0	27	88,3	112,5	18.260	6.310	1.260	420,6	12,74	7,49
320	300	310	9,0	15,5	27	97,6	124,4	22.930	6.985	1.479	465,7	13,58	7,49
340	300	330	9,5	16,5	27	105,0	133,5	27.690	7.436	1.678	495,7	14,40	7,46
360	300	350	10,0	17,5	27	112,0	142,8	33.090	7.887	1.891	525,8	15,22	7,43
400	300	390	11,0	19,0	27	125,0	159,0	45.070	8.564	2.311	570,9	16,84	7,34
450	300	440	11,5	21,0	27	140,0	178,0	63.720	9.465	2.896	631,0	18,92	7,29
500	300	490	12,0	23,0	27	155,0	197,5	86.970	10.370	3.550	691,1	21,98	7,24
550	300	540	12,5	24,0	27	166,0	211,8	111.900	10.820	4.146	721,3	22,99	7,15
600	300	590	13,0	25,0	27	178,0	226,5	141.200	11.270	4.787	751,4	24,97	7,05
650	300	640	13,5	26,0	27	190,0	241,6	175.200	11.720	5.474	781,6	26,93	6,97
700	300	690	14,5	27,0	27	204,0	260,5	215.300	12.180	6.241	811,9	28,87	6,84
800	300	790	15,0	28,0	30	224,0	285,8	303.400	12.640	7.682	842,6	32,58	6,65
900	300	890	16,0	30,0	30	252,0	320,5	422.100	13.550	9.485	903,2	36,29	6,50
1000	300	990	16,5	31,0	30	272,0	346,8	553.800	14.000	11.190	933,6	39,96	6,35

Travi HEB ad ali larghe parallele - serie normale UNI 5397-78



HEB	b mm	h mm	a mm	e mm	r mm	Peso kg/m	Sezione cm ²	Momenti di inerzia		Moduli di resistenza		Raggi di inerzia	
								Jx cm ⁴	Jy cm ⁴	Wx cm ³	Wy cm ³	ix cm	iy cm
100	100	100	6,0	10,0	12	20,4	26,04	449,5	167,3	89,91	33,45	4,16	2,53
120	120	120	6,5	11,0	12	26,7	34,01	864,4	317,5	144,1	52,92	5,04	3,06
140	140	140	7,0	12,0	12	33,7	42,96	1.509	549,7	215,6	78,52	5,93	3,58
160	160	160	8,0	13,0	15	42,6	54,25	2.492	889,2	311,5	111,2	6,78	4,05
180	180	180	8,5	14,0	15	51,2	65,25	3.831	1.363	425,7	151,4	7,66	4,57
200	200	200	9,0	15,0	18	61,3	78,08	5.696	2.003	569,6	200,3	8,54	5,07
220	220	220	9,5	16,0	18	71,5	91,04	8.091	2.843	735,5	258,5	9,43	5,59
240	240	240	10,0	17,0	21	83,2	106,0	11.260	3.923	938,3	326,9	10,31	6,08
260	260	260	10,0	17,5	24	93,0	118,4	14.920	5.135	1.148	395,0	11,22	6,58
280	280	280	10,5	18,0	24	103,0	131,4	19.270	6.595	1.376	471,0	12,11	7,09
300	300	300	11,0	19,0	27	117,0	149,1	25.170	8.563	1.678	570,9	12,99	7,58
320	300	320	11,5	20,5	27	127,0	161,3	30.820	9.239	1.926	615,9	13,82	7,57
340	300	340	12,0	21,5	27	134,0	170,9	36.660	9.690	2.156	646,0	14,65	7,53
360	300	360	12,5	22,5	27	142,0	180,6	43.190	10.140	2.400	676,1	15,46	7,49
400	300	400	13,5	24,0	27	155,0	197,8	57.680	10.820	2.884	721,3	17,08	7,40
450	300	450	14,0	26,0	27	171,0	218,0	79.890	11.720	3.551	781,4	19,14	7,33
500	300	500	14,5	28,0	27	187,0	238,6	107.200	12.620	4.287	841,6	21,19	7,27
550	300	550	15,0	29,0	27	199,0	254,1	136.700	13.080	4.971	871,8	23,20	7,17
600	300	600	15,5	30,0	27	212,0	270,0	171.000	13.530	5.701	902,0	25,17	7,08
650	300	650	16,0	31,0	27	225,0	286,3	210.600	13.980	6.480	932,3	27,12	6,99
700	300	700	17,0	32,0	27	241,0	306,4	256.900	14.440	7.340	962,7	28,96	6,87
800	300	800	17,5	33,0	30	262,0	334,2	359.100	14.900	8.977	993,6	32,78	6,68
900	300	900	18,5	35,0	30	291,0	371,3	494.100	15.820	10.980	1.054	36,48	6,53
1000	300	1000	19,0	36,0	30	314,0	400,0	644.700	16.280	12.890	1.085	40	6,38

Carico utile - Travi sollecitate a flessione

- Carico totale (kg) uniformemente distribuito, dedotto il peso proprio della trave
- Trave semplicemente appoggiata
- Sigma = 16 kg/mm²

INP

Trave mm	Distanze tra gli appoggi m											
	2	2,5	3	3,5	4	4,5	5	6	7	8	9	10
80	1.230	978	810	689	597	525	467	378	313	263	222	189
100	2.166	1.725	1.430	1.218	1.058	932	831	677	565	479	410	353
120	3.479	2.773	2.301	1.962	1.706	1.506	1.345	1.100	923	786	678	589
140	5.213	4.158	3.452	2.945	2.564	2.265	2.025	1.661	1.398	1.196	1.036	905
160	7.452	5.946	4.938	4.216	3.672	3.247	2.906	2.389	2.014	1.729	1.503	1.319
180	10.260	8.188	6.804	5.811	5.064	4.481	4.012	3.303	2.791	2.401	2.093	1.842
200	13.644	10.891	9.052	7.735	6.743	5.969	5.347	4.408	3.730	3.214	2.808	2.477
220	17.730	14.156	11.768	10.058	8.772	7.768	6.961	5.744	4.866	4.199	3.674	3.247
240	22.584	18.034	14.995	12.820	11.183	9.906	8.881	7.335	6.220	5.374	4.709	4.169
260	28.204	22.526	18.733	16.018	13.976	12.384	11.106	9.178	7.789	6.737	5.909	5.239
280	34.592	27.631	22.982	19.654	17.152	15.201	13.636	11.275	9.576	8.289	7.277	6.459
300	41.684	33.298	27.699	23.691	20.679	18.330	16.446	13.605	11.561	10.014	8.799	7.816
320	49.926	39.886	33.182	28.385	24.780	21.969	19.714	16.317	13.872	12.024	10.573	9.400
340	58.936	47.088	39.177	33.517	29.264	25.948	23.289	19.283	16.402	14.224	12.515	11.134
360	69.608	55.618	46.278	39.597	34.576	30.662	27.524	22.797	19.399	16.831	14.817	13.191
380	80.472	64.302	53.508	45.786	39.984	35.462	31.836	26.376	22.452	19.488	17.164	15.288
400	93.255	74.521	62.016	53.071	46.350	41.113	36.914	30.592	26.050	22.621	19.933	17.764
450	130.330	104.161	86.695	74.203	64.820	57.509	51.649	42.830	36.498	31.720	27.978	24.962
500	175.718	140.448	116.910	100.078	87.436	77.588	69.695	57.821	49.299	42.872	37.842	33.790
550	230.708	184.417	153.529	131.442	114.856	101.937	91.586	76.017	64.849	56.432	49.848	44.548
600	295.666	236.354	196.779	168.483	147.236	130.689	117.431	97.494	83.197	72.424	64.001	57.223

IPE

Trave mm	Distanze tra gli appoggi m											
	2	2,5	3	3,5	4	4,5	5	6	7	8	9	10
80	1.270	1.011	837	712	617	543	483	391	324	272	231	196
100	2.173	1.731	1.435	1.222	1.062	936	835	681	569	482	414	357
120	3.369	2.686	2.228	1.900	1.653	1.460	1.304	1.067	896	764	660	574
140	4.923	3.927	3.260	2.783	2.423	2.141	1.915	1.572	1.324	1.134	984	861
160	6.925	5.526	4.590	3.920	3.415	3.021	2.704	2.224	1.877	1.613	1.404	1.233
180	9.326	7.444	6.186	5.285	4.606	4.077	3.651	3.008	2.544	2.190	1.912	1.685
200	12.390	9.892	8.223	7.027	6.128	5.426	4.862	4.011	3.396	2.930	2.562	2.263
220	16.076	12.837	10.673	9.124	7.959	7.050	6.320	5.219	4.425	3.822	3.348	2.964
240	20.694	16.527	13.745	11.753	10.255	9.086	8.149	6.734	5.715	4.943	4.336	3.844
270	27.377	21.869	18.191	15.559	13.580	12.037	10.799	8.933	7.590	6.574	5.775	5.129
300	35.570	28.418	23.643	20.226	17.658	15.657	14.051	11.632	9.892	8.576	7.543	6.709
330	45.540	36.388	30.278	25.907	22.623	20.063	18.010	14.918	12.696	11.017	9.700	8.637
360	57.716	46.122	38.382	32.846	28.687	25.445	22.847	18.934	16.123	14.001	12.337	10.995
400	73.851	59.021	49.124	42.045	36.727	32.583	29.262	24.264	20.674	17.966	15.844	14.134
450	95.845	76.606	63.767	54.586	47.690	42.317	38.012	31.534	26.885	23.379	20.635	18.424
500	123.211	98.487	81.989	70.192	61.333	54.433	48.903	40.586	34.620	30.122	26.604	23.771
550	156.012	124.714	103.831	88.900	77.688	68.956	61.960	51.439	43.893	38.208	33.762	30.185
600	196.172	156.828	130.578	111.811	97.720	86.747	77.956	64.740	55.265	48.128	42.550	38.063

HEA

Trave mm	Distanze tra gli appoggi m											
	2	2,5	3	3,5	4	4,5	5	6	7	8	9	10
100	4.623	3.684	3.054	2.602	2.262	1.994	1.779	1.452	1.214	1.031	885	764
120	6.763	5.393	4.476	3.818	3.322	2.934	2.622	2.148	1.804	1.542	1.333	1.162
140	9.896	7.895	6.556	5.597	4.874	4.309	3.855	3.167	2.669	2.289	1.988	1.742
160	14.026	11.193	9.300	7.943	6.922	6.124	5.483	4.513	3.812	3.278	2.857	2.513
180	18.719	14.944	12.420	10.613	9.253	8.192	7.339	6.050	5.120	4.414	3.856	3.403
200	24.786	19.791	16.453	14.064	12.266	10.863	9.737	8.036	6.810	5.879	5.146	4.551
220	32.872	26.252	21.830	18.665	16.284	14.427	12.937	10.688	9.067	7.839	6.873	6.090
240	43.086	34.414	28.623	24.478	21.362	18.931	16.981	14.040	11.923	10.319	9.059	8.038
260	53.393	42.653	35.482	30.350	26.492	23.484	21.071	17.434	14.817	12.837	11.282	10.024
280	64.679	51.675	42.992	36.779	32.110	28.470	25.551	21.152	17.989	15.597	13.720	12.202
300	80.463	64.291	53.495	45.771	39.967	35.443	31.815	26.350	22.422	19.454	17.125	15.245
320	94.461	75.481	62.811	53.748	46.938	41.630	37.374	30.966	26.361	22.883	20.156	17.955
340	107.182	85.651	71.280	60.999	53.276	47.257	42.432	35.167	29.948	26.008	22.920	20.428
360	120.800	96.539	80.347	68.765	60.064	53.284	47.850	39.669	33.794	29.360	25.886	23.085
400	147.654	118.011	98.228	84.079	73.452	65.173	58.537	48.551	41.383	35.976	31.743	28.331
450	185.064	147.925	123.143	105.421	92.112	81.745	73.438	60.941	51.975	45.216	39.928	35.669
500	226.890	181.373	151.002	129.286	112.980	100.280	90.105	74.803	63.829	55.560	49.094	43.890
550	265.012	211.860	176.398	151.044	132.008	117.184	105.308	87.452	74.651	65.008	57.471	51.409
600	306.012	244.649	203.711	174.444	152.472	135.363	121.657	101.055	86.288	75.168	66.480	59.494
650	349.956	279.794	232.987	199.527	174.408	154.850	139.184	115.639	98.766	86.064	76.142	68.167
700	399.016	319.029	265.671	227.528	198.896	176.604	158.750	131.917	112.693	98.224	86.925	77.845
800	491.200	392.758	327.093	280.158	244.928	217.502	195.539	162.539	138.903	121.120	107.239	96.090
900	606.536	485.002	403.937	345.998	302.512	268.662	241.556	200.835	171.676	149.744	132.630	118.888
1000	715.616	572.248	476.624	408.282	356.992	317.069	285.104	237.088	202.713	176.864	156.699	140.512