

TRAVE I NP SERIE NORMALE



UNI 5679 - 73 / UNI 7210 - 73

su richiesta le travi IPN si forniscono tagliate a misura

h	b	a	e	r	sezione	peso	momenti di inerzia		moduli di resistenza		raggi di inerzia	
							Jx	Jy	Wx	Wy	ix	iy
mm	mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
80	42	3.9	5.9	3.9	7.57	5.94	77.7	6.28	19.4	2.99	3.20	0.91
100	50	4.5	6.8	4.5	10.6	8.34	170	12.1	34.1	4.86	4.00	1.07
120	58	5.1	7.7	5.1	14.2	11.1	327	21.4	54.5	7.38	4.80	1.23
140	66	5.7	8.6	5.7	18.2	14.3	572	35.1	81.8	10.6	5.60	1.39
160	74	6.3	9.5	6.3	22.8	17.9	934	54.6	117	14.8	6.40	1.55
180	82	6.9	10.4	6.9	27.9	21.9	1444	81.2	161	19.8	7.20	1.71
200	90	7.5	11.3	7.5	33.4	26.2	2138	116	214	25.9	8.00	1.87
220	98	8.1	12.2	8.1	39.5	31.0	3055	162	278	33.1	8.79	2.03
240	106	8.7	13.1	8.7	46.1	36.2	4239	220	353	41.5	9.59	2.19
260	113	9.4	14.1	9.4	53.3	41.9	5735	287	441	50.9	10.4	2.32
280	119	10.1	15.2	10.1	61.0	47.9	7575	363	541	61.0	11.1	2.44
300	125	10.8	16.2	10.8	69.0	54.2	9785	450	652	71.9	11.9	2.55
320	131	11.5	17.3	11.5	77.7	61.0	12490	554	781	84.6	12.7	2.67
340	137	12.2	18.3	12.2	86.7	68.4	15670	674	923	98.4	13.5	2.8
360	143	13	19.5	13	97.0	76.1	19580	816	1087	114	14.2	2.90
400	155	14.4	21.6	14.4	118	92.5	29210	1158	1461	149	15.7	3.13
450	170	16.2	24.3	16.2	147	115	45790	1722	2035	203	17.7	3.42
500	185	18	27	18	179	141	68650	2474	2746	268	19.6	3.71
600	215	21.6	32.4	21.6	254	199	138800	4679	4626	435	23.4	4.29

TRAVE I PE

UNI 5398

su richiesta le travi IPE si forniscono tagliate a misura



h	b	a	e	r	sezione	peso	momenti di inerzia		moduli di resistenza		raggi di inerzia	
							Jx	Jy	Wx	Wy	ix	iy
mm	mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
80	46	3.8	5.2	5	7.5	6.0	80.1	8.49	20.0	3.69	3.24	1.05
100	55	4.1	5.7	7	10.3	8.1	171	15.9	34.2	5.79	4.07	1.24
120	64	4.4	6.3	7	13.2	10.4	318	27.7	53	8.65	4.90	1.45
140	73	4.7	6.9	7	16.4	12.9	541	44.9	77.3	12.3	5.74	1.65
160	82	5.0	7.4	9	20.1	15.8	869	68.3	109	16.7	6.58	1.84
180	91	5.3	8.0	9	23.9	18.8	1320	101	146	22.2	7.42	2.05
200	100	5.6	8.5	12	28.5	22.4	1940	142	194	28.5	8.26	2.24
220	110	5.9	9.2	12	33.4	26.2	2770	205	252	37.3	9.11	2.48
240	120	6.2	9.8	15	39.1	30.7	3890	284	324	47.3	9.97	2.69
270	135	6.6	10.2	15	45.9	36.1	5790	420	429	62.2	11.2	3.02
300	150	7.1	10.7	15	53.8	42.2	8360	604	557	80.5	12.5	3.35
330	160	7.5	11.5	18	62.6	49.1	11770	788	713	98.5	13.7	3.55
360	170	8.0	12.7	18	72.7	57.1	16270	1040	904	123	15.0	3.79
400	180	8.6	13.5	21	84.5	66.3	23130	1320	1160	146	16.5	3.95
450	190	9.4	14.6	21	98.8	77.6	33740	1680	1500	176	18.5	4.12
500	200	10.2	16.0	21	116	90.7	48200	2140	1930	214	20.4	4.31
550	210	11.1	17.2	24	134	106	67120	2670	2440	254	22.3	4.45

TRAVE INP SOLLECITATE A FLESSIONE

CARICO TOTALE IN KG UNIFORMEMENTE DISTRIBUITO
ACCIAIO CON CARICO DI SICUREZZA OK = 16 KG / MM²

mm	carichi massimi in kg riferiti a distanze degli appoggi di m:											
	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10
80	1410	1122	930	791								
100	2166	1725	1430	1218								
120	3466	2682	2292	1954	1700							
140	5202	4147	3441	2934	2552	2254	2012					
160	7452	5945	4938	4216	3672	3247	2906					
180	10260	8188	6803	5811	5064	4480	4012	3304				
200	13644	10892	9050	7734	6743	5968	5326	4408	3731			
220	17730	14156	11766	10057	8772	7766	6962	5744	4868			
240		17984	14950	12782	11151	9876	8856	7312	6203	5338		
260		20951	17320	14710	12780	11340	9990	8185	6660	5726		
280			22640	19235	16751	14840	13500	10827	9110	7618		
300			27651	23654	20647	18299	16420	13582	11546	9998	8783	
320			29780	25425	22100	19575	17607	14466	12273	10615	9200	8135
340			37652	32470	28115	25050	22690	18511	17369	13609	11950	10666
360			46143	39486	34480	30572	27447	22729	19348	16783	14772	13153
380			54212	46314	40089	36124	31906	26691	22823	19815	17300	15457
400			62049	53105	46382	41135	36940	30608	26075	22636	19943	17776
425				63712	55485	49270	44429	36837	31050	27118	23511	20348
450				74018	64660	57358	51521	42717	36415	31640	27903	24898
475					76545	67288	60436	50230	42990	37106	32316	28999
500					87308	77462	69593	57726	49237	42808	37779	33739
550					114472	101625	91279	75749	64645	56240	49670	44394
600						130668	117431	97479	83217	72424	63991	57223

**INP
IPE**

TRAVI IPE SOLLECITATE A FLESSIONE

CARICO TOTALE IN KG UNIFORMEMENTE DISTRIBUITO
ACCIAIO CON CARICO DI SICUREZZA $\bar{\sigma} = 16 \text{ KG} / \text{MM}^2$

mm	carichi massimi in kg riferiti a distanze degli appoggi di m:											
	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10
80	1268	1009	835	710	620	560	450	350				
100	2173	1731	1435	1222	1062	936	835	750	670	580		
120	3371	2688	2230	1902	1654	1461	1305	1068	896	750		
140	4921	3925	3259	2782	2482	2141	1914	1572	1323	1134	983	
160	6944	5541	4603	3931	3425	3029	2711	2230	1882	1618	1408	1237
180	9306	7428	6173	5274	4597	4068	3644	3002	2538	2186	1907	1681
200	12371	9877	8210	7016	6118	5417	4854	4004	3391	2925	2557	2259
220		12837	10673	9124	7959	7050	6320	5219	4425	3822	3348	2964
240		16518	13732	11742	10265	9078	8141	6728	5710	4938	4332	3840
270		21274	18196	15563	13584	12040	10802	8935	7592	6575	5776	5130
300			23630	20222	17555	15654	14048	11629	9890	8574	7542	6708
330			30214	25903	22620	20060	18007	14916	12694	11015	9698	8635
360				32861	28700	25457	22857	18943	16130	14007	12343	11000
400					36855	32697	29364	24349	20747	18030	15091	14185
450						42317	38012	31534	26885	23379	20635	18424
500							48954	40629	34656	30154	26632	23797
550								51417	43875	38192	33748	30172
600								64761	55283	48144	42564	38076

TRAVE IPE SOLLECITATE A COMPRESSIONE

PILASTRI
ACCIAIO CON CARICO DI SICUREZZA $\bar{\sigma} = 16 \text{ KG} / \text{MM}^2$

mm	carichi massimi in kg riferiti a distanze degli appoggi di m:											
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	8
80	3574	2272	1583	1166								
100	6618	4291	2953	2177	1671							
120	10057	7489	5201	3784	2937	2323	1884					
140	14183	11359	8437	6116	4702	3727	3023	2503				
160	18917	15611	12711	9403	7210	5695	4614	3810	3203	2732		
180	24050	20670	17225	13755	10563	8367	6768	5607	4709	4021	3466	
200	30000	26205	22463	19079	15099	11875	9702	7985	6745	5728	4924	3781
220		32987	28886	24855	21461	17183	13916	11517	9698	8259	7059	5419
240		40623	35954	31595	27681	23696	19190	15878	13310	11353	9790	7483
270		50301	45614	41258	36537	32495	28355	23167	19689	16690	14513	11110
300		61049	56631	51855	46782	42403	38088	33756	28503	24454	20944	16000
330			68136	62600	57234	51896	46586	41907	36688	31596	27217	20780
360			81342	75532	69652	63912	58452	52396	47477	41841	36236	27498
400			95886	89536	83456	76384	70051	63474	58528	53019	45581	34666
450				106093	99421	92444	85448	78646	71207	65593	57904	44280
500				128000	120519	111807	104269	96165	88380	80346	73359	56932
550					141052	132345	122514	112842	105615	96576	88962	70065
600					167516	156981	147692	137142	128000	117183	108995	89784