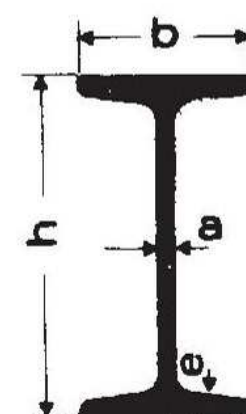


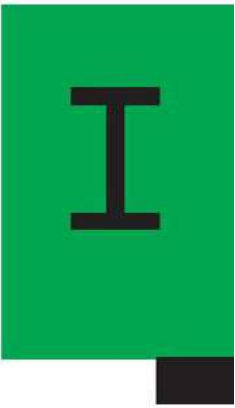
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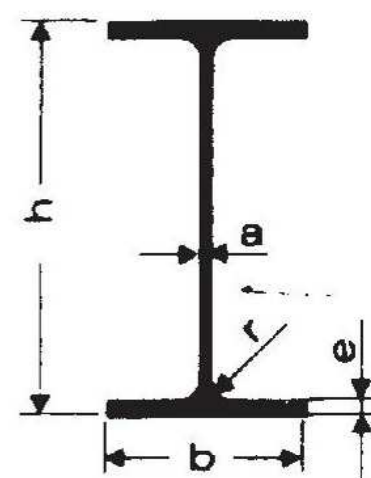
PROFILO INP	DIMENSIONI						MODULO DI RESISTENZA A FLESSIONE $W_x \text{ cm}^3$
	Peso Kg./m	A cm^2	h mm	b mm	a mm	e mm	
80	5,94	7,57	80	42	3,9	5,9	19,4
100	8,34	10,6	100	50	4,5	6,8	34,1
120	11,1	14,2	120	58	5,1	7,7	54,5
140	14,3	18,2	140	66	5,7	8,6	81,8
160	17,9	22,8	160	74	6,3	9,5	117
180	21,9	27,9	180	82	6,9	10,4	161
200	26,2	33,4	200	90	7,5	11,3	214
220	31	39,5	220	98	8,1	12,2	278
240	36,2	46,1	240	106	8,7	13,1	353
260	41,9	53,3	260	113	9,4	14,1	441
280	47,9	61	280	119	10,1	15,2	541
300	54,2	69	300	125	10,8	16,2	652
320	61	77,7	320	131	11,5	17,3	781
360	76,1	97	360	143	13	19,5	1087
400	92,5	118	400	155	14,4	21,6	1461
450	115	147	450	170	16,2	24,3	2035
500	141	179	500	185	18	27	2746
600	199	254	600	215	21,6	32,4	4626

CARICO IN KG UNIFORMEMENTE DISTRIBUITO
 PER ACCIAIO CON CARICO DI SICUREZZA
 K = 16 Kg./mm²

DISTANZA TRA GLI APPOGGI IN M								
2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00
1229	810	597	467					
2165	1430	1058	831	677				
3465	2232	1700	1340	1096	919			
5207	3447	2560	2022	1659	1395	1194	1035	
7452	4938	3672	2906	2389	2014	1729	1503	1319
10260	6804	5064	4012	3303	2791	2401	2093	1842
13644	9052	6743	5347	4408	3730	3214	2808	2477
17730	11768	8772	6962	5745	4866	4200	3675	3248
22520	14953	11151	8856	7313	6201	5358	4695	4156
28140	18690	13944	11080	9157	7770	6721	5895	5226
34528	22939	17120	13610	11254	9557	8273	7263	6446
41620	27656	20648	16421	13584	11544	10000	8786	7803
49862	33140	24748	19689	16295	13854	12008	10558	9387
69416	46150	34480	27447	22733	19344	16784	14774	13152
93319	62059	46382	36940	30613	26068	22636	19946	17775
130010	86481	64660	51521	42723	36406	31640	27907	24898
175462	116740	87308	69592	57735	49225	42808	37785	33738
295666	196779	147236	117430	97494	83196	72424	64000	57222



TRAVE IPE

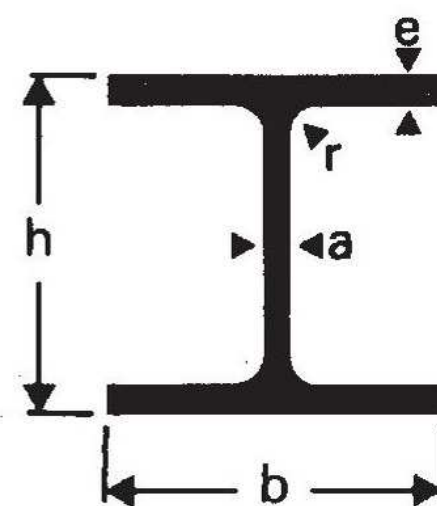


PROFILO IPE	DIMENSIONI						MODULO DI RESISTENZA A FLESSIONE $W_x \text{ cm}^3$
	PESO Kg./m	A cm^2	h mm	b mm	a mm	e mm	
80	6	7,5	80	46	3,8	5,2	20
100	8,1	10,3	100	55	4,1	5,7	34,2
120	10,4	13,2	120	64	4,4	6,3	53
140	12,9	16,4	140	73	4,7	6,9	77,3
160	15,8	20,1	160	82	5	7,4	109
180	18,8	23,9	180	91	5,3	8	146
200	22,4	28,5	200	100	5,6	8,5	194
220	26,2	33,4	220	110	5,9	9,2	252
240	30,7	39,1	240	120	6,2	9,8	324
270	36,1	45,9	270	135	6,6	10,2	429
300	42,2	53,8	300	150	7,1	10,7	557
330	49,1	62,6	330	160	7,5	11,5	713
360	57,1	72,7	360	170	8	12,7	904
400	66,3	84,5	400	180	8,6	13,5	1160
450	77,6	98,8	450	190	9,4	14,6	1500
500	90,7	116	500	200	10,2	16	1930
550	106	134	550	210	11,1	17,2	2440
600	122	156	600	220	12	19	3070

CARICO IN KG UNIFORMEMENTE DISTRIBUITO
 PER ACCIAIO CON CARICO DI SICUREZZA
 $K = 16 \text{ Kg./mm}^2$

DISTANZA TRA GLI APPOGGI IN METRI										
2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
1268	835	616	482							
2172	1435	1062	835	681						
3371	2230	1654	1305	1068	896					
4921	3259	2422	1914	1571	1323	1133				
6944	4603	3425	2711	2230	1882	1617	1408			
9306	6173	4597	3643	3002	2538	2185	1907	1681	1492	
12371	8210	6118	4854	4004	3390	2925	2557	2259	2011	1800
16075	10673	7959	6320	5219	4424	3822	3348	2963	2644	2373
20675	13732	10246	8141	6728	5709	4939	4332	3840	3432	3087
27384	18195	13583	10802	8935	7592	6575	5776	5130	4595	4143
35563	23638	17655	14048	11629	9889	8574	7542	6707	6017	5435
45534	30274	22620	18007	14916	12694	11016	9698	8635	7756	7016
57742	38399	28700	22857	18942	16130	14007	12343	11000	9891	8957
74107	49294	36855	29364	24350	20747	18029	15901	14185	12769	11577
95845	63767	47689	38012	31534	26885	23379	20635	18424	16601	15069
123338	82074	61397	48954	40629	34656	30154	26632	23797	21460	19498
155948	103788	77656	61934	51417	43875	38192	33748	30172	27225	24754
196236	130620	97752	77982	64761	55283	48144	42564	38075	34381	31282

TRAVE HEA



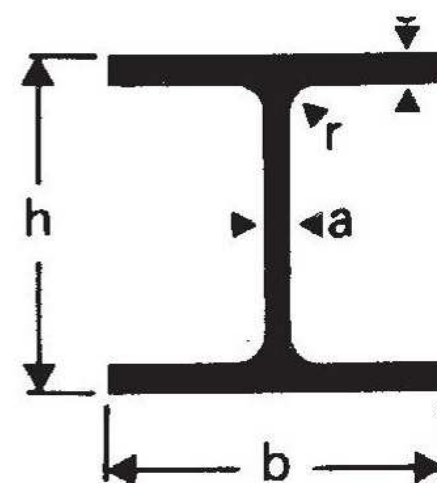
PROFILO HEA	DIMENSIONI						MODULO DI RESISTENZA A FLESSIONE $W_x \text{ cm}^3$
	PESO Kg./m	A cm^2	h mm	b mm	a mm	e mm	
100	16,7	21,2	96	100	5	8	73
120	19,9	25,3	114	120	5	8	106
140	24,7	31,4	133	140	5,5	8,5	155
160	30,4	38,8	152	160	6	9	220
180	35,5	45,3	171	180	6	9,5	294
200	42,3	53,3	190	200	6,5	10	389
220	50,5	64,3	210	220	7	11	515
240	60,3	76,8	230	240	7,5	12	675
260	68,2	86,8	250	260	7,5	12,5	836
280	76,4	97,3	270	280	8	13	1010
300	88,3	112,5	290	300	8,5	14	1260
320	97,6	124,4	310	300	9	15,5	1480
340	105	133,5	330	300	9,5	16,5	1680
360	112	142,5	350	300	10	17,5	1890
400	125	159	390	300	11	19	2310
450	140	178	440	300	11,5	21	2900
500	155	197,5	490	300	12	23	3550
550	166	211,8	540	300	12,5	24	4150
600	178	226,5	590	300	13	25	4790

CARICO IN KG UNIFORMEMENTE DISTRIBUITO
PER ACCIAIO CON CARICO DI SICUREZZA

$K = 16 \text{ Kg./mm}^2$

DISTANZA TRA GLI APPOGGI IN METRI										
2	3	4	5	6	7	8	9	10	11	12
4638	3064	2269	1785	1457						
6744	4463	3312	2614	2142	1800					
9870	6539	4861	3844	3158	2661	2282				
14019	9295	6918	5480	4511	3810	3276	2855	2512		
18744	12437	9265	7348	6059	5127	4419	3861	3408	3030	
24810	16470	12278	9746	8044	6815	5885	5151	4556	4061	3641
32858	21821	16277	12931	10683	9063	7835	6869	6087	5437	4887
43078	28618	21358	16978	14037	11920	10317	9057	8036	7191	6476
53366	35464	26478	21060	17425	14809	12830	11275	10018	8977	8098
64485	42863	32013	25473	21087	17933	15548	13676	12163	10912	9856
80461	53493	39965	31813	26349	22421	19453	17125	15244	13690	12380
94522	62852	46368	37400	30987	26379	22898	20170	17967	16147	14615
107310	71363	53338	42481	35209	29984	26039	22947	20453	18393	16659
120732	80301	60034	47822	39646	33775	29343	25871	23071	20750	18815
147586	98182	73418	58509	48528	41364	35959	31790	28317	25567	23139
185315	123310	92237	73538	61025	52047	45278	39983	35719	32204	29252
226884	150997	112977	90102	74801	63827	55558	49092	43888	39603	36005
265261	176564	132132	105407	87535	74721	65070	57525	51458	46463	42273
306196	203834	152564	121731	101116	86340	75214	66520	59530	53778	48956

TRAVE HEB



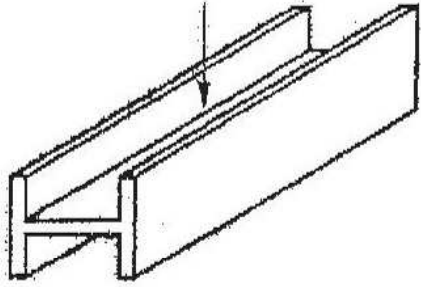
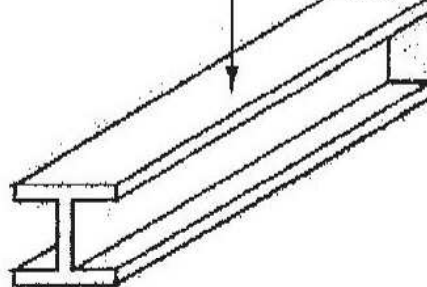
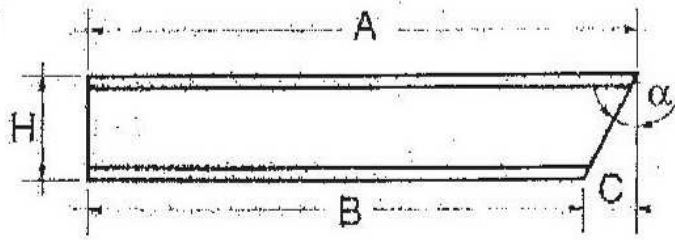
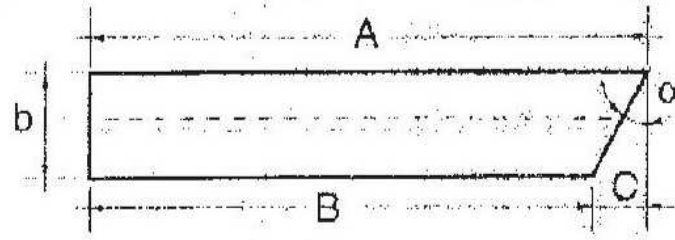
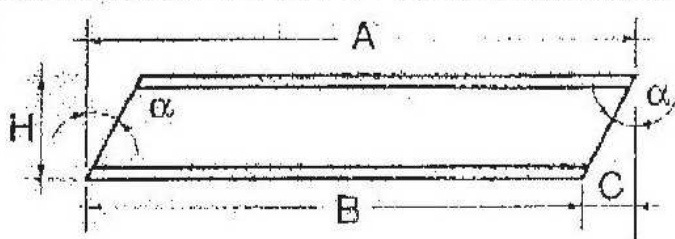
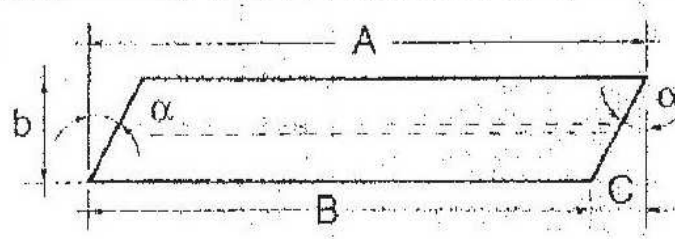
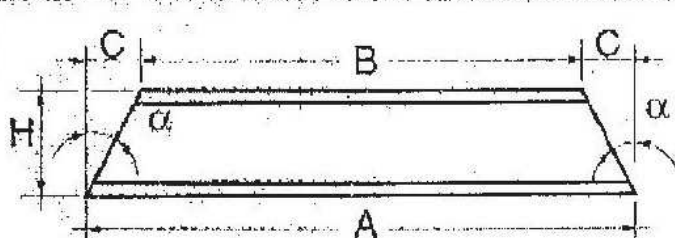
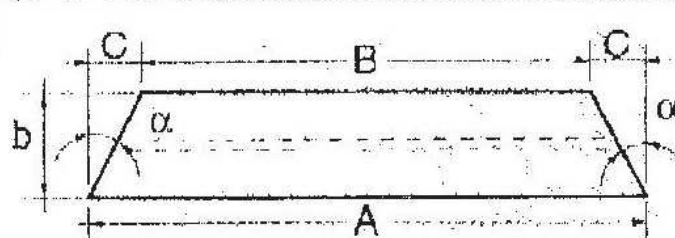
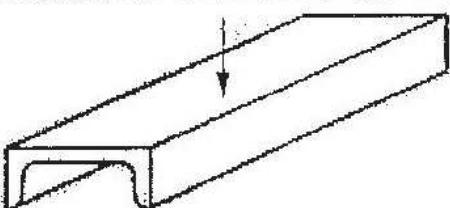
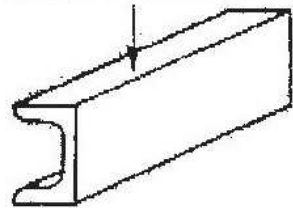
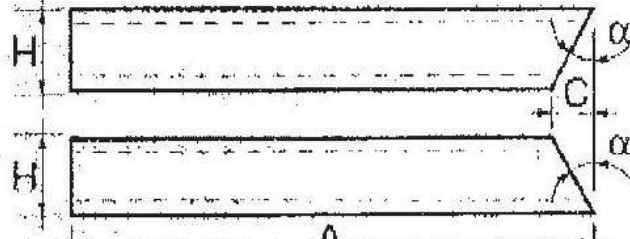
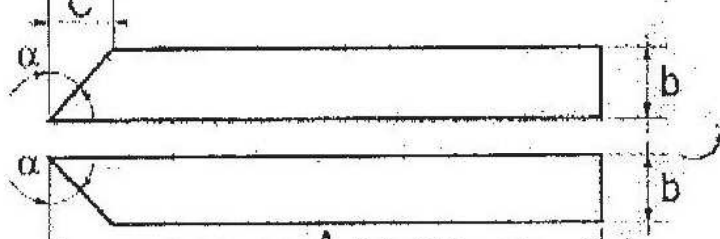


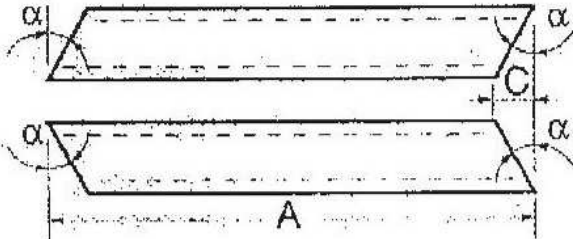
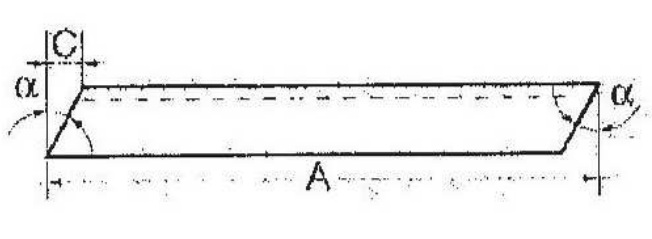


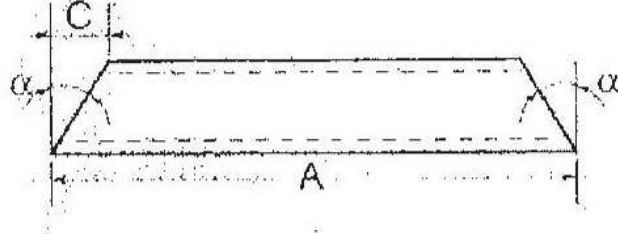
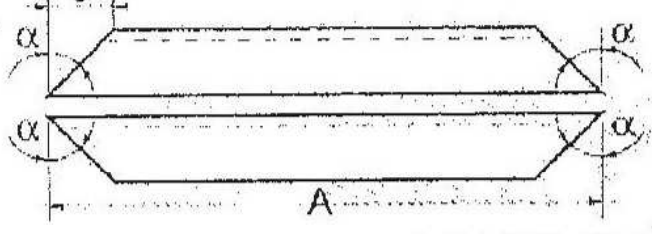
PROFILO HEB	DIMENSIONI						MODULO DI RESISTENZA A FLESSIONE $W_x \text{ cm}^3$
	PESO Kg./m	A cm^2	h mm	b mm	a mm	e mm	
100	20,4	26	100	100	6	10	90
120	26,7	34	120	120	6,5	11	144
140	33,7	43	140	140	7	12	216
160	42,6	54,3	160	160	8	13	311
180	51,2	65,3	180	180	8,5	14	426
200	61,3	78,1	200	200	9	15	570
220	71,5	91	220	220	9,5	16	736
240	83,2	106	240	240	10	17	938
260	93	118,4	260	260	10	17,5	1150
280	103	131,4	280	280	10,5	18	1380
300	117	149,5	300	300	11	19	1680
320	127	161,3	320	300	11,5	20,5	1930
340	134	170,9	340	300	12	21,5	2160
360	142	180,6	360	300	10,5	22,5	2400
400	155	197,8	400	300	13,5	24	2880
450	171	218	450	300	14	26	3550
500	187	238,6	500	300	14,5	28	4290
550	199	254,1	550	300	15	29	4970
600	212	270	600	300	15,5	30	5700

CARICO IN KG UNIFORMEMENTE DISTRIBUITO
PER ACCIAIO CON CARICO DI SICUREZZA

K = 16 Kg./mm²

DISTANZA TRA GLI APPOGGI IN METRI										
2	3	4	5	6	7	8	9	10	11	12
5719	3778	2798	2202	1797	1502					
9162	6063	4501	3553	2911	2446	2090				
13576	9114	6777	5361	4405	3713	3186	2785			
19818	13141	9781	7748	6379	5383	4635	4039	3554		
27161	18022	13427	10649	8780	7431	6406	5597	4940	4393	
36353	24135	17994	14285	11792	9993	8629	7554	6683	5958	5344
46960	31187	23265	18483	15272	12957	11203	9823	8705	7777	6992
59864	39770	29682	23596	19511	16569	14342	12591	11174	10000	9006
73412	48786	36427	28974	23974	20377	17655	15518	13789	12358	11150
88111	58569	43747	34812	28821	24512	21255	18700	16633	14924	13483
107283	71327	53290	42422	35137	29900	25943	22839	20333	18281	16515
123263	81963	61250	48771	40410	34401	29863	26305	23433	21060	19062
137968	91755	68582	54624	45274	38558	33487	29513	26307	23659	21431
153312	101971	76130	60728	50346	42890	37283	32854	29300	26364	23895
184005	122412	91568	72951	60508	51575	44838	39641	35313	31962	28859
226852	150949	112913	90022	74705	63715	55430	49948	43728	39427	35813
274179	182747	136528	108886	90395	77134	67142	59328	53040	47861	43514
317674	211451	158240	126334	104830	89484	77925	68891	61624	55642	50624
364367	242558	181547	144856	120325	102742	89501	79252	70838	63993	58254

TABELLA TAGLI INCLINATI

	
<p>1</p> 	<p>4</p> 
<p>2</p> 	<p>5</p> 
<p>3</p> 	<p>6</p> 
	
<p>7</p> 	<p>12</p> 
<p>8</p> 	<p>13</p> 
<p>9</p> 	<p>14</p> 
<p>10</p> 	<p>15</p> 
<p>11</p> 	<p>16</p> 

TAGLI DIRITTI
LUNGHEZZA
H LARGHEZZA PROFILO

A = 1 + 20 mt.
H = 80 + 1500 mm.

TAGLI DIRITTI ($\alpha \leq 45^\circ$)
LUNGHEZZA
H LARGHEZZA PROFILO
I ALTEZZA

A = 1 + 20 mt.
H = 80 + 600 mm.
H = 100 + 300 mm.