

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEA

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM2)
HEA 100	96	100	5	8	12	80	56	16.7	21.2
HEA 120	114	120	5	8	12	98	74	19.9	25.3
HEA 140	133	140	5.5	8.5	12	116	92	24.7	31.4
HEA 160	152	160	6	9	15	134	104	30.4	38.8
HEA 180	171	180	6	9.5	15	152	122	35.5	45.3
HEA 200	190	200	6.5	10	18	170	134	42.3	53.8
HEA 220	210	220	7	11	18	188	152	50.5	64.3
HEA 240	230	240	7.5	12	21	206	164	60.3	76.8
HEA 260	250	260	7.5	12.5	24	225	177	68.2	86.8
HEA 280	270	280	8	13	24	244	196	76.4	97.3
HEA 300	290	300	8.5	14	27	262	208	88.3	112.5
HEA 320	310	300	9	15.5	27	279	225	97.6	124.4
HEA 340	330	300	9.5	16.5	27	297	243	105	133.5
HEA 360	350	300	10	17.5	27	315	261	112	142.8
HEA 400	390	300	11	19	27	352	298	125	159
HEA 450	440	300	11.5	21	27	398	344	140	178
HEA 500	490	300	12	23	27	444	390	155	197.5

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEA (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM ²)
HEA 550	540	300	12.5	24	27	492	438	166	211.8
HEA 600	590	300	13	25	27	540	486	178	226.5
HEA 650	640	300	13.5	26	27	588	534	190	241.6
HEA 700	690	300	14.5	27	27	636	582	204	260.5
HEA 800	790	300	15	28	30	734	674	224	285.8
HEA 900	890	300	16	30	30	830	770	252	320.5
HEA 1000	990	300	16.5	31	30	928	868	272	346.8

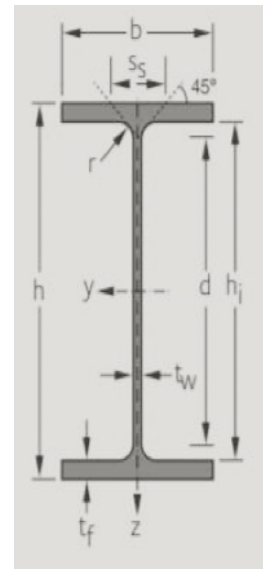
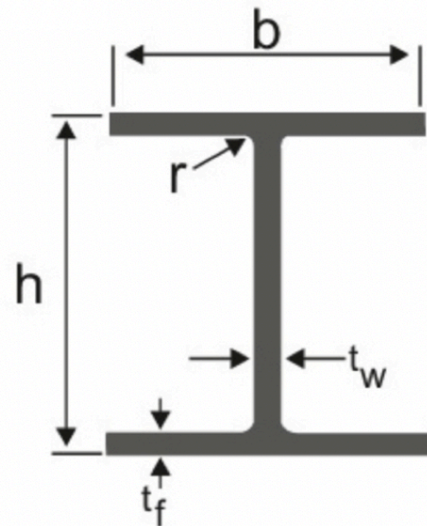


TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEM

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM2)
HEM 100	120	106	12	20	12	80	56	41.8	53.2
HEM 120	140	126	12.5	21	12	98	74	52.1	66.4
HEM 140	160	146	13	22	12	116	92	63.2	80.6
HEM 160	180	166	14	23	15	134	104	76.2	97.1
HEM 180	200	186	14.5	24	15	152	122	88.9	113.3
HEM 200	220	206	15	25	18	170	134	103	131.3
HEM 220	240	226	15.5	26	18	188	152	117	149.4
HEM 240	270	248	18	32	21	206	164	157	199.6
HEM 260	290	268	18	32.5	24	225	177	172	219.6
HEM 280	310	288	18.5	33	24	244	196	189	240.2
HEM 300	340	310	21	39	27	262	208	238	303.1
HEM 320	359	309	21	40	27	279	225	245	312
HEM 340	377	309	21	40	27	297	243	248	315.8
HEM 360	395	308	21	40	27	315	261	250	318.8
HEM 400	432	307	21	40	27	352	298	256	325.8

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEM (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM2)
HEM 400	432	307	21	40	27	352	298	256	325.8
HEM 450	478	307	21	40	27	398	344	263	335.4
HEM 500	524	306	21	40	27	444	390	270	344.3
HEM 550	572	306	21	40	27	492	438	278	354.4
HEM 600	620	305	21	40	27	540	486	285	363.7
HEM 650	668	305	21	40	27	588	534	293	373.7
HEM 700	716	304	21	40	27	636	582	301	383
HEM 800	814	303	21	40	30	734	674	317	404.3
HEM 900	910	302	21	40	30	830	770	333	423.6
HEM 1000	1008	302	21	40	30	928	868	349	444.2

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEB

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM ²)
HEB 100	100	100	6	10	12	80	56	20.4	26
HEB 120	120	120	6.5	11	12	98	74	26.7	34
HEB 140	140	140	7	12	12	116	92	33.7	43
HEB 160	160	160	8	13	15	134	104	42.6	54.3
HEB 180	180	180	8.5	14	15	152	122	51.2	65.3
HEB 200	200	200	9	15	18	170	134	61.3	78.1
HEB 220	220	220	9.5	16	18	188	152	71.5	91
HEB 240	240	240	10	17	21	206	164	83.2	106
HEB 260	260	260	10	17.5	24	225	177	93	118.4
HEB 280	280	280	10.5	18	24	244	196	103	131.4
HEB 300	300	300	11	19	27	262	208	117	149.1
HEB 320	320	300	11.5	20.5	27	279	225	127	161.3
HEB 340	340	300	12	21.5	27	297	243	134	170.9
HEB 360	360	300	12.5	22.5	27	315	261	142	180.6
HEB 400	400	300	13.5	24	27	352	298	155	197.8

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS HEB (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM2)
HEB 450	450	300	14	26	27	398	344	171	218
HEB 500	500	300	14.5	28	27	444	390	187	238.6
HEB 550	550	300	15	29	27	492	438	199	254.1
HEB 600	600	300	15.5	30	27	540	486	212	270
HEB 650	650	300	16	31	27	588	534	225	286.3
HEB 700	700	300	17	32	27	636	582	241	306.4
HEB 800	800	300	17.5	33	30	734	674	262	334.2
HEB 900	900	300	18.5	35	30	830	770	291	371.3
HEB 1000	1000	300	19	36	30	928	868	314	400

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS IPN

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM ²)
IPN 80	80	42	3.9	5.9	3.9	2.3	59	5.9	7.6
IPN 100	100	50	4.5	6.8	4.5	2.7	75.7	8.3	10.6
IPN 120	120	58	5.1	7.7	5.1	3.1	92.4	11.1	14.2
IPN 140	140	66	5.7	8.6	5.7	3.4	109.1	14.3	18.2
IPN 160	160	74	6.3	9.5	6.3	3.8	125.8	17.9	22.8
IPN 180	180	82	6.9	10.4	6.9	4.1	142.4	21.9	27.9
IPN 200	200	90	7.5	11.3	7.5	4.5	159.1	26.2	33.4
IPN 220	220	98	8.1	12.2	8.1	4.9	175.8	31.1	39.5
IPN 240	240	106	8.7	13.1	8.7	5.2	192.5	36.2	46.1
IPN 260	260	113	9.4	14.1	9.4	5.6	208.9	41.9	53.3
IPN 280	280	119	10.1	15.2	10.1	6.1	225.1	47.9	61
IPN 300	300	125	10.8	16.2	10.8	6.5	241.6	54.2	69
IPN 320	320	131	11.5	17.3	11.5	6.9	257.9	61	77.7

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS IPN (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM ²)
IPN 340	340	137	12.2	18.3	12.2	7.3	274.3	68	86.7
IPN 360	360	143	13	19.5	13	7.8	290.2	76.1	97
IPN 380	380	149	13.7	20.5	13.7	8.2	306.7	84	107
IPN 400	400	155	14.4	21.6	14.4	8.6	322.9	92.4	117.7
IPN 450	450	170	16.2	24.3	16.2	9.7	363.6	115	146.9
IPN 500	500	185	18	27	18	10.8	404.3	141	179.4
IPN 550	550	200	19	30	19	11.9	445.6	166	212
IPN 600	600	215	21.6	32.4	21.6	13	485.8	199	253.7

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS IPE

	H (MM)	B	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM2)
IPE 80	80	46	3.8	5.2	5	69.6	59.6	6	7.6
IPE 100	100	55	4.1	5.7	7	88.6	74.6	8.1	10.3
IPE 120	120	64	4.4	6.3	7	107.4	93.4	10.4	13.2
IPE 140	140	73	4.7	6.9	7	126.2	112.2	12.9	16.4
IPE 160	160	82	5	7.4	9	145.2	127.2	15.8	20.1
IPE 180	180	91	5.3	8	9	164	146	18.8	23.9
IPE 200	200	100	5.6	8.5	12	183	159	22.4	28.5
IPE 220	220	110	5.9	9.2	12	201.6	177.6	26.2	33.4
IPE 240	240	120	6.2	9.8	15	220.4	190.4	30.7	39.1
IPE 270	270	135	6.6	10.2	15	249.6	219.6	36.1	45.9
IPE 300	300	150	7.1	10.7	15	278.6	248.6	42.2	53.8
IPE 330	330	160	7.5	11.5	18	307	271	49.1	62.6
IPE 360	360	170	8	12.7	18	334.6	298.6	57.1	72.7
IPE 400	400	180	8.6	13.5	21	373	331	66.3	84.5
IPE 450	450	190	9.4	14.6	21	420.8	378.8	77.6	98.8
IPE 500	500	200	10.2	16	21	468	426	90.7	115.5

TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS IPE (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	HI (MM)	D (MM)	PESO (KG/M)	A (CM ²)
IPE 550	550	210	11.1	17.2	24	515.6	467.6	106	134.4
IPE 600	600	220	12	19	24	562	514	122	156
IPE 750 x 134	750	264	12	15.5	20	719	679	134	170.6
IPE 750 x 147	753	265	13.2	17	20	719	679	147	187.5
IPE 750 x 173	762	267	14.4	21.6	20	719	679	173	221.3
IPE 750 x 196	770	268	15.6	25.4	20	719	679	196	250.8
IPE 750 x 220	779	266	16.5	30	20	719	679	220	280.7

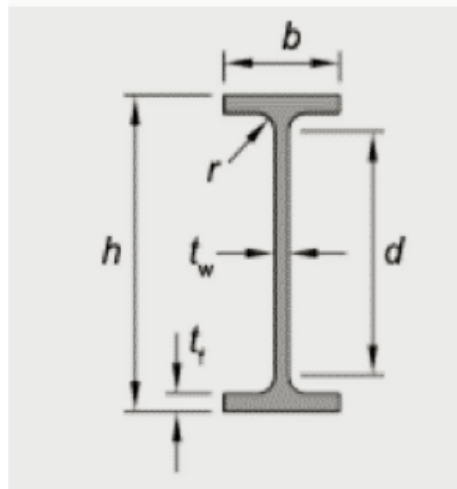


TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS UPE

	H (MM)	B (MM)	TW (MM)	TF (MM)	R (MM)	PESO (KG/M)	A (CM ²)
UPE 80	80	50	4	7	10	7.9	10.1
UPE 100	100	55	4.5	7.5	10	9.8	12.5
UPE 120	120	60	5	8	12	12.1	15.4
UPE 140	140	65	5	9	12	14.5	18.4
UPE 160	160	70	5.5	9.5	12	17	21.7
UPE 180	180	75	5.5	10.5	12	19.7	25.1
UPE 200	200	80	6	11	13	22.8	29
UPE 220	220	85	6.5	12	13	26.6	33.9
UPE 240	240	90	7	12.5	15	30.2	38.5
UPE 270	270	95	7.5	13.5	15	35.2	44.8
UPE 300	300	100	9.5	15	15	44.4	56.6
UPE 330	330	105	11	16	18	53.2	67.8
UPE 360	360	110	12	17	18	61.2	77.9
UPE 400	400	115	13.5	18	18	72.2	91.9

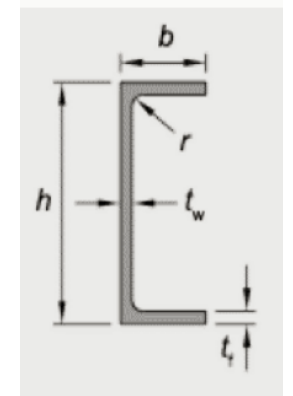


TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS UPN

	H (MM)	B (MM)	TW (MM)	TF (MM)	R1 (MM)	R2 (MM)	PESO (KG/M)	A (CM ²)
UPN 50	50	38	5	7	7	3.5	5.6	7.1
UPN 65	65	42	5.5	7.5	7.5	4	7.1	9
UPN 80	80	45	6	8	8	4	8.6	11
UPN 100	100	50	6	8.5	8.5	4.5	10.6	13.5
UPN 120	120	55	7	9	9	4.5	13.4	17
UPN 140	140	60	7	10	10	5	16	20.4
UPN 160	160	65	7.5	10.5	10.5	5.5	18.8	24
UPN 180	180	70	8	11	11	5.5	22	28
UPN 200	200	75	8.5	11.5	11.5	6	25.3	32.2
UPN 220	220	80	9	12.5	12.5	6.5	29.4	37.4
UPN 240	240	85	9.5	13	13	6.5	33.2	42.3

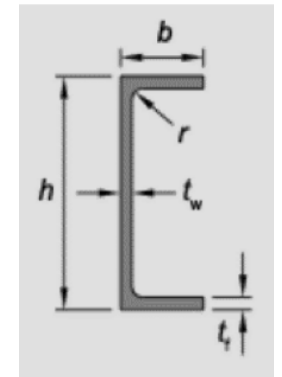
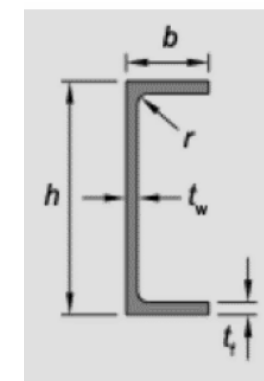


TABELA TÉCNICA DE PERFIS ESTRUTURAIS

PERFIS UPN (continuação)

	H (MM)	B (MM)	TW (MM)	TF (MM)	R1 (MM)	R2 (MM)	PESO (KG/M)	A (CM ²)
UPN 260	260	90	10	14	14	7	37.9	48.3
UPN 280	280	95	10	15	15	7.5	41.8	53.3
UPN 300	300	100	10	16	16	8	46.2	58.8
UPN 320	320	100	14	17.5	17.5	8	59.5	75.8
UPN 350	350	100	14	16	16	8	60.6	77.3
UPN 380	380	102	13.5	16	16	8.8	63.1	80.4
UPN 400	400	110	14	18	18	9	71.8	91.5



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