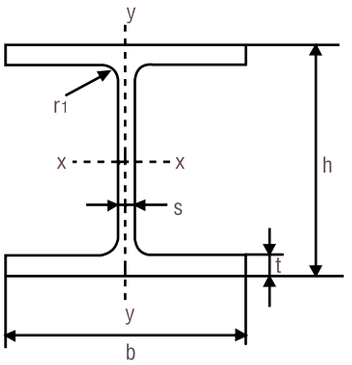
HEB Profiles

Dimension Standart
TS EN 10034

Quality Standart
TS EN 10025-1 / 2



Nominal Size HE.B	Dimensions & Tolerances									Section	Unit Mass	Surface Area	Static Parameters				
													x-x			y-y	
	h		b		s		t		r	F (cm^2)	G (kg/m)	S (m^2/m)	I_x cm^4	W_x cm^3	i_x cm	W_y cm^3	i_y cm
120	120	+3/-2	120	+4/-2	6,5	±0,7	11,0	+2,5/-1,5	12,0	34,0	26,7	0,686	864	144	5,04	52,9	3,06
140	140	+3/-2	140	+4/-2	7,0	±1,0	12,0	+2,5/-1,5	12,0	43,0	33,7	0,805	1510	216	5,93	78,5	3,58
160	160	+3/-2	160	+4/-2	8,0	±1,0	13,0	+2,5/-1,5	15,0	54,3	42,6	0,918	2490	311	6,78	111,0	4,05
180	180	+3/-2	180	+4/-2	8,5	±1,0	14,0	+2,5/-1,5	15,0	65,3	51,2	1,04	3830	426	7,66	151,0	4,57
200	200	+4/-2	200	+4/-2	9,0	±1,0	15,0	+2,5/-1,5	18,0	78,1	61,3	1,15	5700	570	8,54	200,0	5,07
220	220	+4/-2	220	+4/-4	9,5	±1,0	16,0	+2,5/-1,5	18,0	91,0	71,5	1,27	8090	736	9,43	258,0	5,59
240	240	+4/-2	240	+4/-4	10,0	±1,5	17,0	+2,5/-1,5	21,0	106,0	83,2	1,38	11260	938	10,3	327,0	6,08
260	260	+4/-2	260	+4/-4	10,0	±1,5	17,5	+2,5/-1,5	24,0	118,0	93,0	1,50	14920	1150	11,2	395,0	6,58
280	280	+4/-2	280	+4/-4	10,5	±1,5	18,0	+2,5/-1,5	24,0	131,0	103,0	1,62	19270	1380	12,1	421,0	7,09
300	300	+4/-2	300	+4/-4	11,0	±1,5	19,0	+2,5/-1,5	27,0	149,0	117,0	1,73	25170	1680	13,0	571,0	7,58
320	320	+4/-2	300	+4/-4	11,5	±1,5	20,5	+2,5/-2,0	27,0	161,0	127,0	1,77	30820	1930	13,8	616,0	7,57
340	340	+4/-2	300	+4/-4	12	±1,5	21,5	+2,5/-2,0	27,0	171,0	134,0	1,81	36660	2160	14,6	646,0	7,53
360	360	+4/-2	300	+4/-4	12,5	±1,5	22,5	+2,5/-2,0	27,0	181,0	142,0	1,85	43190	2400	15,5	676,0	7,49
400	400	+4/-2	300	+4/-4	13,5	±1,5	24	+2,5/-2,0	27,0	198,0	155,0	1,93	57680	2880	17,1	721,0	7,40
450	450	+5/-3	300	+4/-4	14	±1,5	26	+2,5/-2,0	27,0	218,0	171,0	2,03	79890	3550	19,1	781,0	7,33
500	500	+5/-3	300	+4/-4	14,5	±1,5	28	+2,5/-2,0	27,0	239,0	187,0	2,12	107200	4290	21,2	842,0	7,27

I Second moment of area
W Section modulus
i Radious of gyration (subscript x and y denoting the relevant axis)
S_x Moment of first order of half the cross section
$S_x=I_x:S_x$ Distance between centers of compression and tension.
Section, weight, surface area and statical values are calculated according to the values in the table.