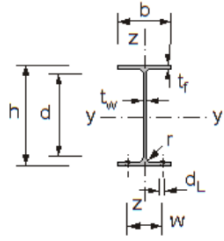


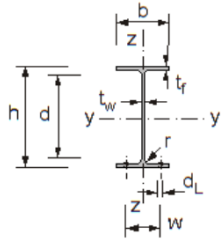
HE-B Profile nach DIN EN 16828; 2015-04

	G	Dimensions											Surface	
		h	b	t _w	t _f	r	A	h _i	d	∅	p _{min}	p _{max}	A _L	A _G
	kg/m	mm	mm	mm	mm	mm	mm ² x10 ²	mm	mm		mm	mm	m ² /m	m ² /t
HE														
HE 100 B	20,40	100,00	100,00	6,00	10,00	12,00	26,00	80,00	56,00	M10	56,00	58,00	0,57	27,76
HE 120 B	26,70	120,00	120,00	6,50	11,00	12,00	34,00	98,00	74,00	M12	60,00	68,00	0,69	25,71
HE 140 B	33,70	140,00	140,00	7,00	12,00	12,00	43,00	116,00	92,00	M16	66,00	76,00	0,81	23,88
HE 160 B	42,60	160,00	160,00	8,00	13,00	15,00	54,30	134,00	104,00	M20	80,00	84,00	0,92	21,56
HE 180 B	51,20	180,00	180,00	8,50	14,00	15,00	65,30	152,00	122,00	M24	88,00	92,00	1,04	20,25
HE 200 B	61,30	200,00	200,00	9,00	15,00	18,00	78,10	170,00	134,00	M27	100,00	100,00	1,15	18,78
HE 220 B	71,50	220,00	220,00	9,50	16,00	18,00	91,00	188,00	152,00	M27	100,00	118,00	1,27	17,77
HE 240 B	83,20	240,00	240,00	10,00	17,00	21,00	106,00	206,00	164,00	M27	108,00	138,00	1,38	16,63
HE 260 B	93,00	260,00	260,00	10,00	17,50	24,00	118,40	225,00	177,00	M27	114,00	158,00	1,50	16,12
HE 280 B	103,00	280,00	280,00	10,50	18,00	24,00	131,40	244,00	196,00	M27	114,00	178,00	1,62	15,69
HE 300 B	117,00	300,00	300,00	11,00	19,00	27,00	149,10	262,00	208,00	M27	120,00	198,00	1,73	14,80
HE 320 B	127,00	320,00	300,00	11,50	20,50	27,00	161,30	279,00	225,00	M27	122,00	198,00	1,77	13,98
HE 340 B	134,00	340,00	300,00	12,00	21,50	27,00	170,90	297,00	243,00	M27	122,00	198,00	1,81	13,49
HE 360 B	142,00	360,00	300,00	12,50	22,50	27,00	180,60	315,00	261,00	M27	122,00	198,00	1,85	13,04
HE 400 B	155,00	400,00	300,00	13,50	24,00	27,00	197,80	352,00	298,00	M27	124,00	198,00	1,93	12,41
HE 450 B	171,00	450,00	300,00	14,00	26,00	27,00	218,00	398,00	344,00	M27	124,00	198,00	2,03	11,84
HE 500 B	187,00	500,00	300,00	14,50	28,00	27,00	238,60	444,00	390,00	M27	124,00	198,00	2,13	11,34
HE 550 B	199,00	550,00	300,00	15,00	29,00	27,00	254,10	492,00	438,00	M27	124,00	198,00	2,22	11,15
HE 600 B	212,00	600,00	300,00	15,50	30,00	27,00	270,00	540,00	486,00	M27	126,00	198,00	2,32	10,96
HE 650 B	225,00	650,00	300,00	16,00	31,00	27,00	286,30	588,00	534,00	M27	126,00	198,00	2,42	10,77
HE 700 B	241,00	700,00	300,00	17,00	32,00	27,00	306,40	636,00	582,00	M27	126,00	198,00	2,52	10,48
HE 800 B	262,00	800,00	300,00	17,50	33,00	30,00	334,20	734,00	674,00	M27	134,00	198,00	2,71	10,34
HE 900 B	291,00	900,00	300,00	18,50	35,00	30,00	371,30	830,00	770,00	M27	134,00	198,00	2,91	9,99
HE 1000 B	314,00	1000,00	300,00	19,00	36,00	30,00	400,00	928,00	868,00	M27	134,00	198,00	3,11	9,91



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Section properties												
	I_y	$W_{el,y}$	$W_{pl,y}$	i_y	A_{vz}	I_z	$W_{el,z}$	$W_{pl,z}$	i_z	S_s	I_t	I_o
	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm ² x10 ²	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm	mm ⁴ x10 ⁴	mm ⁶ x10 ⁶
HE												
HE 100 B	449,50	89,91	104,20	4,16	9,04	167,30	33,45	51,42	2,53	40,06	9,25	3,38
HE 120 B	864,40	144,10	165,20	5,04	10,96	317,50	52,92	80,97	3,06	42,56	13,84	9,41
HE 140 B	1509,00	215,60	245,40	5,93	13,08	549,70	78,52	119,80	3,58	45,06	20,06	22,48
HE 160 B	2492,00	311,50	354,00	6,78	17,59	889,20	111,20	170,00	4,05	51,57	31,24	47,94
HE 180 B	3831,00	425,70	481,40	7,66	20,24	1363,00	151,40	231,00	4,57	54,07	42,16	93,75
HE 200 B	5696,00	569,60	642,50	8,54	24,83	2003,00	200,30	305,80	5,07	60,09	59,28	171,10
HE 220 B	8091,00	735,50	827,00	9,43	27,92	2843,00	258,50	393,90	5,59	62,59	76,57	295,40
HE 240 B	11260,00	938,30	1053,00	10,31	33,23	3923,00	326,90	498,40	6,08	68,60	102,70	486,90
HE 260 B	14920,00	1148,00	1283,00	11,22	37,59	5135,00	395,00	602,20	6,58	73,12	123,80	753,70
HE 280 B	19270,00	1376,00	1534,00	12,11	41,09	6595,00	471,00	717,60	7,09	74,62	143,70	1130,00
HE 300 B	25170,00	1678,00	1869,00	12,99	47,43	8563,00	570,90	870,10	7,58	80,63	185,00	1688,00
HE 320 B	30820,00	1926,00	2149,00	13,82	51,77	9239,00	615,90	939,10	7,57	84,13	225,10	2069,00
HE 340 B	36660,00	2156,00	2408,00	14,65	56,09	9690,00	646,00	985,70	7,53	86,63	257,20	2454,00
HE 360 B	43190,00	2400,00	2683,00	15,46	60,60	10140,00	676,10	1032,00	7,49	89,13	292,50	2883,00
HE 400 B	57680,00	2884,00	3232,00	17,08	69,98	10820,00	721,30	1104,00	7,40	93,13	355,70	3817,00
HE 450 B	79890,00	3551,00	3982,00	19,14	79,66	11720,00	781,40	1198,00	7,33	97,63	440,50	5258,00
HE 500 B	107200,00	4287,00	4815,00	21,19	89,82	12620,00	841,60	1292,00	7,27	102,10	538,40	7018,00
HE 550 B	136700,00	4971,00	5591,00	23,20	100,10	13080,00	871,80	1341,00	7,17	104,60	600,30	8856,00
HE 600 B	171000,00	5701,00	6425,00	25,17	110,80	13530,00	902,00	1391,00	7,08	107,10	667,20	10970,00
HE 650 B	210600,00	6480,00	7320,00	27,12	122,00	13980,00	932,30	1441,00	6,99	109,60	739,20	13360,00
HE 700 B	256900,00	7340,00	8327,00	28,96	137,10	14440,00	962,70	1495,00	6,87	112,60	830,90	16060,00
HE 800 B	359100,00	8977,00	10230,00	32,78	161,80	14900,00	993,60	1553,00	6,68	118,60	946,00	21840,00
HE 900 B	494100,00	10980,00	12580,00	36,48	188,80	15820,00	1050,00	1658,00	6,53	123,60	1137,00	29460,00
HE 1000 B	644700,00	12890,00	14860,00	40,15	212,50	16280,00	1085,00	1716,00	6,38	126,10	1254,00	37640,00



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	Classification EN 1993-1-1: 2006								Section factors [Am/V]sh, Am/V and Ap/V					
	Pure				Pure				NOT protected		Protected		Box	
	bending yy				compression				3 faces	4 faces	3 faces	4 faces	3 faces	4 faces
	S235	S355	S460		S235	S355	S460							
HE														
HE 100 B	1	1	1	0	1	1	1	0	104	138	180	218	115	154
HE 120 B	1	1	1	0	1	1	1	0	95	127	167	202	106	141
HE 140 B	1	1	1	0	1	1	1	0	88	117	155	187	98	130
HE 160 B	1	1	1	0	1	1	1	0	80	106	140	169	88	118
HE 180 B	1	1	1	0	1	1	1	0	74	99	131	159	83	110
HE 200 B	1	1	1	0	1	1	1	0	69	92	122	147	77	102
HE 220 B	1	1	1	0	1	1	1	0	65	87	115	140	72	97
HE 240 B	1	1	1	0	1	1	1	0	61	82	108	131	68	91
HE 260 B	1	1	1	0	1	1	1	0	59	79	105	127	66	88
HE 280 B	1	1	1	0	1	1	1	0	58	77	102	123	64	85
HE 300 B	1	1	1	0	1	1	1	0	54	72	96	116	60	80
HE 320 B	1	1	1	0	1	1	1	0	52	69	91	110	58	77
HE 340 B	1	1	1	0	1	1	1	0	52	67	88	106	57	75
HE 360 B	1	1	1	0	1	1	1	0	51	66	86	102	56	73
HE 400 B	1	1	1	0	1	1	1	0	50	64	82	97	56	71
HE 450 B	1	1	1	0	1	1	2	0	50	62	79	93	55	69
HE 500 B	1	1	1	0	1	2	2	0	49	60	76	89	54	67
HE 550 B	1	1	1	0	1	2	3	0	50	60	76	88	55	67
HE 600 B	1	1	1	0	1	3	4	0	50	60	75	86	56	67
HE 650 B	1	1	1	0	2	3	4	0	50	60	74	85	56	66
HE 700 B	1	1	1	0	2	4	4	0	50	59	72	82	55	65
HE 800 B	1	1	1	0	3	4	4	0	51	59	72	81	57	66
HE 900 B	1	1	1	0	3	4	4	0	51	58	70	78	57	65
HE 1000 B	1	1	1	0	4	4	4	0	52	58	70	78	57	65