

# Poutrelles alvéolaires à ouvertures octogonales

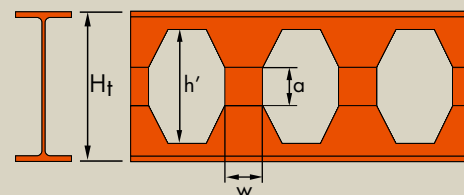
Dimensions: Les dimensions des poutrelles cellulaires sont modulables  
Exécution des soudures suivant dimensionnement  
Etat de surface: conforme à EN 10163-3: 2004, classe C, sous-classe 1

# Castellated beams with octagonal openings

Dimensions: The dimensions of the castellated beams are variable  
Execution of the welds according to design  
Surface condition: according to EN 10163-3: 2004, class C, subclass 1

# Lochstegträger mit achteckigen Öffnungen

Abmessungen: Die Abmessungen der Lochstegträger sind variabel  
Schweißnahtausführung nach Berechnung  
Oberflächenbeschaffenheit: Gemäß EN 10163-3: 2004, Klasse C, Untergruppe 1



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Profil de base Base profile Basisprofil	HE					
	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	$(H_t = 1,5 \times h; w = 0,5 \times h)^*$					
	a	G	H <sub>t</sub>	h'	w	A <sub>L</sub>
	mm	kg/m	mm	mm	mm	m <sup>2</sup> /m

HE 260 AA	122,0	56,2	488,0	366,0	122,0	1,515
HE 260 A	125,0	71,0	500,0	375,0	125,0	1,526
HE 260 B	130,0	96,4	520,0	390,0	130,0	1,542
HE 260 M	145,0	179,0	580,0	435,0	145,0	1,623
HE 280 AA	132,0	63,6	528,0	396,0	132,0	1,637
HE 280 A	135,0	79,2	540,0	405,0	135,0	1,648
HE 280 B	140,0	107,0	560,0	420,0	140,0	1,665
HE 280 M	155,0	197,0	620,0	465,0	155,0	1,746
HE 300 AA	141,5	72,6	566,0	425,0	142,0	1,752
HE 300 A	145,0	91,5	580,0	435,0	145,0	1,765
HE 300 B	150,0	121,3	600,0	450,0	150,0	1,782
HE 300 M	170,0	247,0	680,0	510,0	170,0	1,889
HE 320 AA	150,5	77,4	602,0	452,0	151,0	1,790
HE 320 A	155,0	101,0	620,0	465,0	155,0	1,808
HE 320 B	160,0	132,0	640,0	480,0	160,0	1,824
HE 320 M	179,5	255,0	718,0	539,0	180,0	1,926
HE 340 AA	160,0	82,5	640,0	480,0	160,0	1,830
HE 340 A	165,0	109,0	660,0	495,0	165,0	1,850
HE 340 B	170,0	139,0	680,0	510,0	170,0	1,867
HE 340 M	188,5	258,0	754,0	566,0	189,0	1,965
HE 360 AA	169,5	87,7	678,0	509,0	170,0	1,871
HE 360 A	175,0	117,0	700,0	525,0	175,0	1,892
HE 360 B	180,0	148,0	720,0	540,0	180,0	1,909
HE 360 M	197,5	261,0	790,0	593,0	198,0	2,000
HE 400 AA	189,0	97,1	756,0	567,0	189,0	1,954
HE 400 A	195,0	131,0	780,0	585,0	195,0	1,977
HE 400 B	200,0	162,0	800,0	600,0	200,0	1,994
HE 400 M	216,0	268,0	864,0	648,0	216,0	2,076

Profil de base Base profile Basisprofil	HE					
	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	$(H_t = 1,5 \times h; w = 0,5 \times h)^*$					
	a	G	H <sub>t</sub>	h'	w	A <sub>L</sub>
	mm	kg/m	mm	mm	mm	m <sup>2</sup> /m

HE 450 AA	212,5	105,0	850,0	638,0	213,0	2,055
HE 450 A	220,0	147,0	880,0	660,0	220,0	2,084
HE 450 B	225,0	179,0	900,0	675,0	225,0	2,101
HE 450 M	239,0	276,0	956,0	717,0	239,0	2,176
HE 500 AA	236,0	113,0	944,0	708,0	236,0	2,156
HE 500 A	245,0	163,0	980,0	735,0	245,0	2,192
HE 500 B	250,0	196,0	1000,0	750,0	250,0	2,208
HE 500 M	262,0	284,0	1048,0	786,0	262,0	2,271
HE 550 AA	261,0	128,0	1044,0	783,0	261,0	2,262
HE 550 A	270,0	175,0	1080,0	810,0	270,0	2,299
HE 550 B	275,0	210,0	1100,0	825,0	275,0	2,316
HE 550 M	286,0	294,0	1144,0	858,0	286,0	2,375
HE 600 AA	285,5	138,0	1142,0	856,5	285,5	2,367
HE 600 A	295,0	188,0	1180,0	885,0	295,0	2,406
HE 600 B	300,0	224,0	1200,0	900,0	300,0	2,423
HE 600 M	310,0	302,0	1240,0	930,0	310,0	2,475
HE 600 x 337	316,0	358,0	1264,0	948,0	316,0	2,512
HE 600 x 399	324,0	424,0	1296,0	972,0	324,0	2,558
HE 650 AA	310,0	148,0	1240,0	930,0	310,0	2,472
HE 650 A	320,0	201,0	1280,0	960,0	320,0	2,514
HE 650 B	325,0	239,0	1300,0	975,0	325,0	2,530
HE 650 M	334,0	311,0	1336,0	1002,0	334,0	2,579
HE 650 x 343	340,0	365,0	1360,0	1020,0	340,0	2,613
HE 650 x 407	348,0	434,0	1392,0	1044,0	348,0	2,659
HE 700 AA	335,0	161,0	1340,0	1005,0	335,0	2,580
HE 700 A	345,0	217,0	1380,0	1035,0	345,0	2,620
HE 700 B	350,0	257,0	1400,0	1050,0	350,0	2,637
HE 700 M	358,0	321,0	1432,0	1074,0	358,0	2,679
HE 700 x 352	364,0	376,0	1456,0	1092,0	364,0	2,713
HE 700 x 418	372,0	447,0	1488,0	1116,0	372,0	2,759

\* Exemple: d'autres géométries sont possibles.  
h = hauteur du profil de base.

\* Example: other geometries are possible.  
h = height of base profile.

\* Beispiel: Andere Geometrien sind möglich.  
h = Höhe des Basisprofils

## Poutrelles alvéolaires à ouvertures octogonales (suite)

Dimensions: Les dimensions des poutrelles cellulaires sont modulables  
Exécution des soudures suivant dimensionnement  
Etat de surface: conforme à EN 10163-3: 2004, classe C, sous-classe 1

## Castellated beams with octagonal openings (continued)

Dimensions: The dimensions of the castellated beams are variable  
Execution of the welds according to design  
Surface condition: according to EN 10163-3: 2004, class C, subclass 1

## Lochstegträger mit achteckigen Öffnungen (Fortsetzung)

Abmessungen: Die Abmessungen der Lochstegträger sind variabel  
Schweißnahtausführung nach Berechnung  
Oberflächenbeschaffenheit: Gemäß EN 10163-3: 2004, Klasse C, Untergruppe 1

HE						
Profil de base Base profile Basisprofil	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	(H <sub>t</sub> = 1,5 x h; w = 0,5 x h)*					
	a	G	H <sub>t</sub>	h'	w	A <sub>L</sub>
	mm	kg/m	mm	mm	mm	m <sup>2</sup> /m

HE 800 AA	385,0	186,0	1540,0	1155,0	385,0	2,788
HE 800 A	395,0	240,0	1580,0	1185,0	395,0	2,830
HE 800 B	400,0	280,0	1600,0	1200,0	400,0	2,846
HE 800 M	407,0	339,0	1628,0	1221,0	407,0	2,882
HE 800 x 373	413,0	400,0	1652,0	1239,0	413,0	2,920
HE 800 x 444	421,0	477,0	1684,0	1263,0	421,0	2,964
HE 900 AA	435,0	215,0	1740,0	1305,0	435,0	3,003
HE 900 A	445,0	271,0	1780,0	1335,0	445,0	3,044
HE 900 B	450,0	313,0	1800,0	1350,0	450,0	3,061
HE 900 M	455,0	358,0	1820,0	1365,0	455,0	3,086
HE 900 x 391	461,0	421,0	1844,0	1383,0	461,0	3,124
HE 900 x 466	469,0	503,0	1876,0	1407,0	469,0	3,168
HE 1000 AA	485,0	242,0	1940,0	1455,0	485,0	3,218
HE 1000 A	495,0	293,0	1980,0	1485,0	495,0	3,260
HE 1000 B	500,0	339,0	2000,0	1500,0	500,0	3,277
HE 1000 M	504,0	377,0	2016,0	1512,0	504,0	3,298
HE 1000 x 393	508,0	425,0	2032,0	1524,0	508,0	3,313
HE 1000 x 409	510,0	442,0	2040,0	1530,0	510,0	3,332
HE 1000 x 488	518,0	529,0	2072,0	1554,0	518,0	3,377

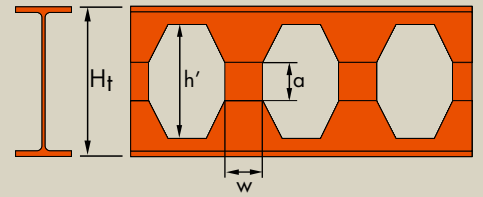
HL						
Profil de base Base profile Basisprofil	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	(H <sub>t</sub> = 1,5 x h; w = 0,5 x h)*					
	a	G	H <sub>t</sub>	h'	w	A <sub>L</sub>
	mm	kg/m	mm	mm	mm	m <sup>2</sup> /m

HL 920 x 344	463,5	368,0	1854,0	1390,5	463,5	3,605
HL 920 x 368	465,5	393,0	1862,0	1396,5	465,5	3,615
HL 920 x 390	468,0	416,0	1872,0	1404,0	468,0	3,636
HL 920 x 420	471,5	448,0	1886,0	1414,5	471,5	3,657
HL 920 x 449	474,0	479,0	1896,0	1422,0	474,0	3,668
HL 920 x 491	478,5	523,0	1914,0	1435,5	478,5	3,680
HL 920 x 537	482,5	573,0	1930,0	1447,5	482,5	3,701
HL 920 x 588	488,0	628,0	1952,0	1464,0	488,0	3,733
HL 920 x 656	493,5	701,0	1974,0	1480,5	493,5	3,765
HL 920 x 725	499,5	775,0	1998,0	1498,5	499,5	3,797
HL 920 x 787	505,5	841,0	2022,0	1516,5	505,5	3,829
HL 920 x 970	521,5	1038,0	2086,0	1564,5	521,5	3,914
HL 1000 AA	491,0	317,0	1964,0	1473,0	491,0	3,643
HL 1000 A	495,0	342,0	1980,0	1485,0	495,0	3,660
HL 1000 B	500,0	396,0	2000,0	1500,0	500,0	3,677
HL 1000 M	504,0	440,0	2016,0	1512,0	504,0	3,698
HL 1000 x 443	506,0	474,0	2024,0	1518,0	506,0	3,699
HL 1000 x 483	510,0	517,0	2040,0	1530,0	510,0	3,720
HL 1000 x 539	515,0	577,0	2060,0	1545,0	515,0	3,752
HL 1000 x 554	516,0	594,0	2064,0	1548,0	516,0	3,762
HL 1000 x 591	520,0	633,0	2080,0	1560,0	520,0	3,773
HL 1000 x 642	524,0	689,0	2096,0	1572,0	524,0	3,795
HL 1000 x 748	534,0	802,0	2136,0	1602,0	534,0	3,848
HL 1000 x 883	546,0	948,0	2184,0	1638,0	546,0	3,922
HL 1100 A	545,0	369,0	2180,0	1635,0	545,0	3,892
HL 1100 B	550,0	419,0	2200,0	1650,0	550,0	3,909
HL 1100 M	554,0	465,0	2216,0	1662,0	554,0	3,931
HL 1100 R	559,0	537,0	2236,0	1677,0	559,0	3,956

\* Exemple: d'autres géométries sont possibles.  
h = hauteur du profil de base.

\* Example: other geometries are possible.  
h = height of base profile.

\* Beispiel: Andere Geometrien sind möglich.  
h = Höhe des Basisprofils



Notations pages 205–209 / Bezeichnungen Seiten 205–209

IPE						
Profil de base Base profile Basisprofil	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	(H <sub>t</sub> = 1,5 x h; w = 0,5 x h)*					
	a mm	G kg/m	H <sub>t</sub> mm	h' mm	w mm	A <sub>L</sub> m <sup>2</sup> /m

IPE A 200	98,5	19,6	394,0	295,5	98,5	0,797
IPE 200	100,0	23,9	400,0	300,0	100,0	0,801
IPE O 200	101,0	26,7	404,0	303,0	101,0	0,813
IPE A 220	108,5	23,6	434,0	325,5	108,5	0,879
IPE 220	110,0	27,9	440,0	330,0	110,0	0,885
IPE O 220	111,0	31,3	444,0	333,0	111,0	0,895
IPE A 240	118,5	27,8	474,0	355,5	118,5	0,958
IPE 240	120,0	32,6	480,0	360,0	120,0	0,962
IPE O 240	121,0	36,5	484,0	363,0	121,0	0,972
IPE A 270	133,5	32,6	534,0	400,5	133,5	1,082
IPE 270	135,0	38,4	540,0	405,0	135,0	1,086
IPE O 270	137,0	45,0	548,0	411,0	137,0	1,097
IPE A 300	148,5	38,9	594,0	445,5	148,5	1,206
IPE 300	150,0	45,0	600,0	450,0	150,0	1,210
IPE O 300	152,0	52,5	608,0	456,0	152,0	1,225
IPE A 330	163,5	45,8	654,0	490,5	163,5	1,305
IPE 330	165,0	52,3	660,0	495,0	165,0	1,309
IPE O 330	167,0	60,7	668,0	501,0	167,0	1,324
IPE A 360	178,8	53,3	715,0	536,4	178,8	1,411
IPE 360	180,0	60,9	720,0	540,0	180,0	1,413
IPE O 360	182,0	70,4	728,0	546,0	182,0	1,428

IPE						
Profil de base Base profile Basisprofil	Poutres ajourées avec ouvertures octogonales Castellated beams with octagonal openings Wabenträger mit achteckigen Öffnungen					
	(H <sub>t</sub> = 1,5 x h; w = 0,5 x h)*					
	a mm	G kg/m	H <sub>t</sub> mm	h' mm	w mm	A <sub>L</sub> m <sup>2</sup> /m

IPE A 400	198,5	61,0	794,0	595,5	198,5	1,530
IPE 400	200,0	70,8	800,0	600,0	200,0	1,534
IPE O 400	202,0	80,8	808,0	606,0	202,0	1,548
IPE A 450	223,5	71,6	894,0	670,5	223,5	1,678
IPE 450	225,0	83,1	900,0	675,0	225,0	1,680
IPE O 450	228,0	99,0	912,0	684,0	228,0	1,698
IPE A 500	248,5	84,9	994,0	745,5	248,5	1,824
IPE 500	250,0	97,4	1000,0	750,0	250,0	1,827
IPE O 500	253,0	115,0	1012,0	759,0	253,0	1,844
IPE A 550	273,5	98,5	1094,0	820,5	273,5	1,966
IPE 550	275,0	114,0	1100,0	825,0	275,0	1,969
IPE O 550	278,0	132,0	1112,0	834,0	278,0	1,986
IPE A 600	298,5	116,0	1194,0	895,5	298,5	2,113
IPE 600	300,0	131,0	1200,0	900,0	300,0	2,115
IPE O 600	305,0	166,0	1220,0	915,0	305,0	2,147
IPE 750 x 147	376,5	160,0	1506,0	1129,5	376,5	2,636
IPE 750 x 173	381,0	187,0	1524,0	1143,0	381,0	2,661
IPE 750 x 196	385,0	212,0	1540,0	1155,0	385,0	2,680

\* Exemple: d'autres géométries sont possibles.  
h = hauteur du profil de base.

\* Example: other geometries are possible.  
h = height of base profile.

\* Beispiel: Andere Geometrien sind möglich.  
h = Höhe des Basisprofils