

Long products



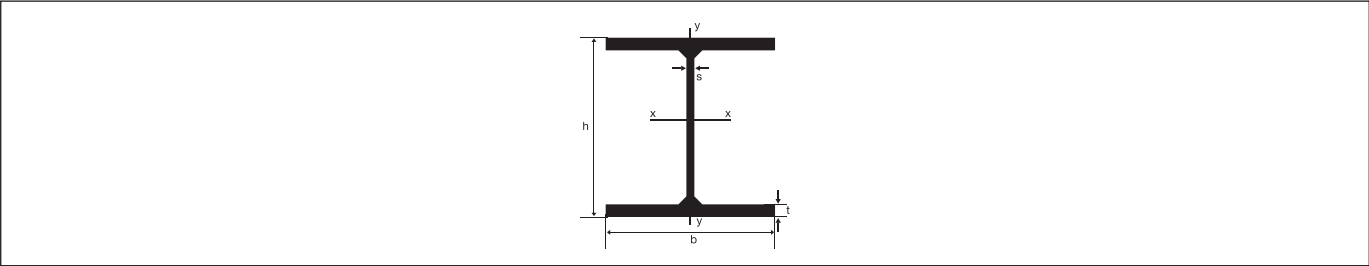


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Wide flange beams HEA - Light



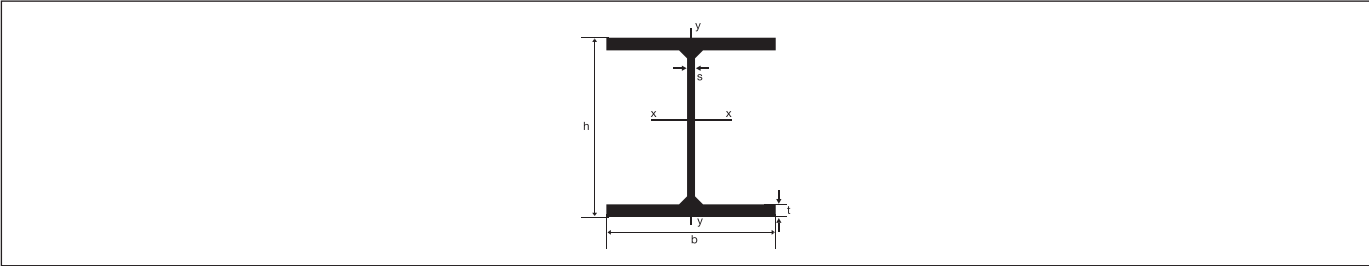
HEA	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
HEA 100	96,00	100,00	5,00	8,00	21,20	16,70	72,75	26,76
HEA 120	114,00	120,00	5,00	8,00	25,30	19,90	106,30	38,48
HEA 140	133,00	140,00	5,50	8,50	31,40	24,70	155,30	55,61
HEA 160	152,00	160,00	6,00	9,00	38,80	30,40	220,10	76,94
HEA 180	171,00	180,00	6,00	9,50	45,30	35,50	293,60	102,70
HEA 200	190,00	200,00	6,50	10,00	53,80	42,30	388,60	133,50
HEA 220	210,00	220,00	7,00	11,00	64,30	50,50	515,20	177,60
HEA 240	230,00	240,00	7,50	12,00	76,80	60,30	675,00	230,70
HEA 260	250,00	260,00	7,50	12,50	86,80	68,20	836,30	282,10
HEA 280	270,00	280,00	8,00	13,00	97,30	76,40	1.012,00	340,10
HEA 300	290,00	300,00	8,50	14,00	112,50	88,30	1.259,00	420,60
HEA 320	310,00	300,00	9,00	15,50	124,40	97,60	1.479,00	465,60
HEA 340	330,00	300,00	9,50	16,50	133,50	105,00	1.678,00	495,70
HEA 360	350,00	300,00	10,00	17,50	142,80	112,00	1.890,00	525,70
HEA 400	390,00	300,00	11,00	19,00	159,00	125,00	2.311,00	570,90
HEA 450	440,00	300,00	11,50	21,00	178,00	140,00	2.896,00	631,00
HEA 500	490,00	300,00	12,00	23,00	197,50	155,00	3.549,00	691,10
HEA 550	540,00	300,00	12,50	24,00	211,80	166,00	4.145,00	721,20
HEA 600	590,00	300,00	13,00	25,00	226,50	178,00	4.786,00	751,40
HEA 650	640,00	300,00	13,50	26,00	241,60	190,00	5.474,00	781,50
HEA 700	690,00	300,00	14,50	27,00	260,50	204,00	6.240,00	811,90
HEA 800	790,00	300,00	15,00	28,00	285,80	224,00	7.682,00	842,50
HEA 900	890,00	300,00	16,00	30,00	320,50	252,00	9.484,00	903,10
HEA 1000	990,00	300,00	16,50	31,00	346,80	272,00	11.180,00	933,60

Possibility of metallization and painting with water-based primer for hot rolled products.

Possibility to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Product dimensions specifications according to EN 10365. Product specifications of dimensional tolerances according to EN 10034.

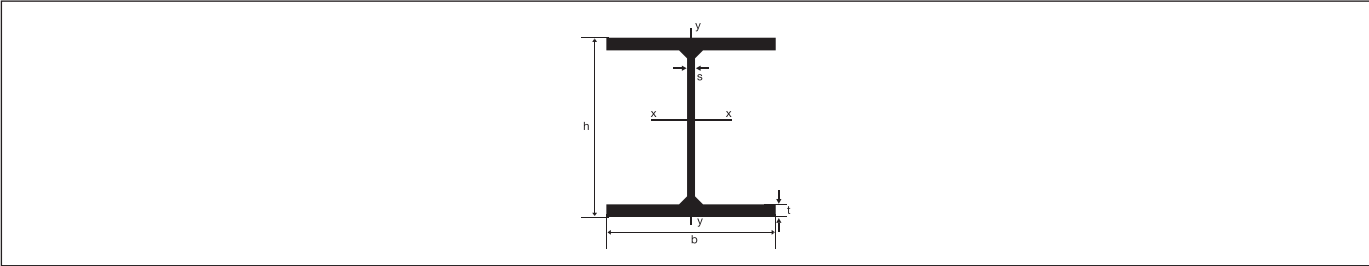
Wide flange beams HEAA – Light



HEAA	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
HEAA 100	91,00	100,00	4,20	5,50	15,60	12,20	51,97	18,41
HEAA 120	109,00	120,00	4,20	5,50	18,60	14,60	75,84	26,46
HEAA 140	128,00	140,00	4,30	6,00	23,00	18,10	112,40	39,26
HEAA 160	148,00	160,00	4,50	7,00	30,40	23,80	173,30	59,84
HEAA 180	167,00	180,00	5,00	7,50	36,50	28,70	235,50	81,10
HEAA 200	186,00	200,00	5,50	8,00	44,10	34,60	316,50	106,80
HEAA 220	205,00	220,00	6,00	8,50	51,50	40,40	406,80	137,30
HEAA 240	224,00	240,00	6,50	9,00	60,40	47,40	520,90	173,00
HEAA 260	244,00	260,00	6,50	9,50	69,00	54,10	654,10	214,40
HEAA 280	264,00	280,00	7,00	10,00	78,00	61,20	799,80	261,70
HEAA 300	283,00	300,00	7,50	10,50	88,90	69,80	975,50	315,50
HEAA 320	301,00	300,00	8,00	11,00	94,60	74,20	1092,00	330,60
HEAA 340	320,00	300,00	8,50	11,50	100,50	78,90	1222,00	345,60
HEAA 360	339,00	300,00	9,00	12,00	106,60	83,70	1359,00	360,60
HEAA 400	378,00	300,00	9,50	13,00	117,70	92,40	1653,00	390,70
HEAA 450	425,00	300,00	10,00	13,50	127,10	99,70	1971,00	405,80
HEAA 500	472,00	300,00	10,50	14,00	136,90	107,00	2315,00	420,90
HEAA 550	522,00	300,00	11,50	15,00	152,80	120,00	2792,00	451,10
HEAA 600	571,00	300,00	12,00	15,50	164,10	129,00	3217,00	466,20
HEAA 650	620,00	300,00	12,50	16,00	175,80	138,00	3675,00	481,30
HEAA 700	670,00	300,00	13,00	17,00	190,90	150,00	4260,00	511,50
HEAA 800	770,00	300,00	14,00	18,00	218,50	172,00	5425,00	542,20
HEAA 900	870,00	300,00	15,00	20,00	252,20	198,00	6922,00	602,70
HEAA 1000	970,00	300,00	16,00	21,00	282,20	222,00	8380,00	633,30

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensions specifications according to EN 10365.

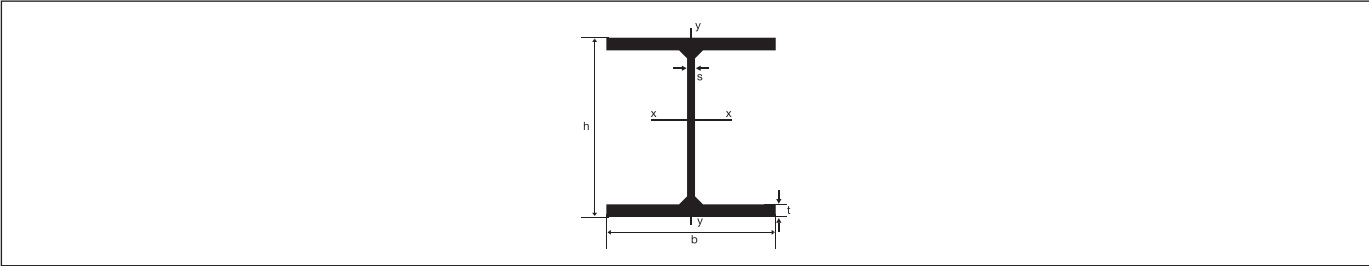
Wide flange beams HEB – Heavy



HEB	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm²)	G (kg/m)	W _x (cm³)	W _y (cm³)
HEB 100	100,00	100,00	6,00	10,00	26,00	20,40	89,90	33,45
HEB 120	120,00	120,00	6,50	11,00	34,00	26,70	144,00	52,92
HEB 140	140,00	140,00	7,00	12,00	43,00	33,70	215,60	78,52
HEB 160	160,00	160,00	8,00	13,00	54,30	42,60	311,40	111,10
HEB 180	180,00	180,00	8,50	14,00	65,30	51,20	425,60	151,40
HEB 200	200,00	200,00	9,00	15,00	78,10	61,30	569,60	200,30
HEB 220	220,00	220,00	9,50	16,00	91,00	71,50	735,50	258,40
HEB 240	240,00	240,00	10,00	17,00	106,00	83,20	938,20	326,80
HEB 260	260,00	260,00	10,00	17,50	118,40	93,00	1147,00	394,90
HEB 280	280,00	280,00	10,50	18,00	131,40	103,00	1376,00	471,00
HEB 300	300,00	300,00	11,00	19,00	149,10	117,00	1677,00	570,80
HEB 320	320,00	300,00	11,50	20,50	161,30	127,00	1926,00	615,90
HEB 340	340,00	300,00	12,00	21,50	170,90	134,00	2156,00	645,90
HEB 360	360,00	300,00	12,50	22,50	180,60	142,00	2399,00	676,00
HEB 400	400,00	300,00	13,50	24,00	197,80	155,00	2884,00	721,20
HEB 450	450,00	300,00	14,00	26,00	218,00	171,00	3550,00	781,40
HEB 500	500,00	300,00	14,50	28,00	238,60	187,00	4287,00	841,50
HEB 550	550,00	300,00	15,00	29,00	254,10	199,00	4970,00	871,70
HEB 600	600,00	300,00	15,50	30,00	270,00	212,00	5701,00	902,00
HEB 650	650,00	300,00	16,00	31,00	286,30	225,00	6480,00	932,20
HEB 700	700,00	300,00	17,00	32,00	306,40	241,00	7339,00	962,70
HEB 800	800,00	300,00	17,50	33,00	334,20	262,00	8977,00	993,50
HEB 900	900,00	300,00	18,50	35,00	371,30	291,00	10970,00	1054,00
HEB 1000	1000,00	300,00	19,00	36,00	400,00	314,00	12890,00	1085,00

Possibility of metallization and painting with water-based primer for hot rolled products.
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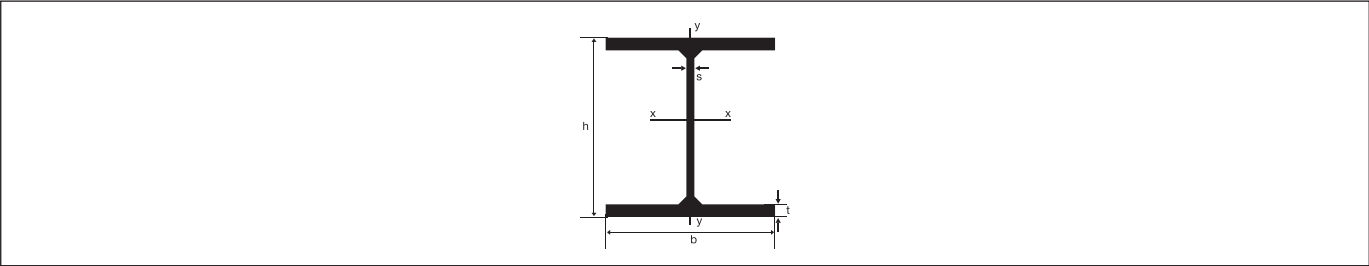
Wide flange beams HEM – Heavy



HEM	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm²)	G (kg/m)	W _x (cm³)	W _y (cm³)
HEM 100	120,00	106,00	12,00	20,00	53,20	41,80	190,40	75,31
HEM 120	140,00	126,00	12,50	21,00	66,40	52,10	288,20	111,50
HEM 140	160,00	146,00	13,00	22,00	80,60	63,20	411,40	156,70
HEM 160	180,00	166,00	14,00	23,00	97,10	76,20	566,40	211,80
HEM 180	200,00	186,00	14,50	24,00	113,30	88,90	748,30	277,40
HEM 200	220,00	206,00	15,00	25,00	131,30	103,00	967,40	354,40
HEM 220	240,00	226,00	15,50	26,00	149,40	117,00	1217,00	443,50
HEM 240	270,00	248,00	18,00	32,00	199,60	157,00	1799,00	657,40
HEM 260	290,00	268,00	18,00	32,50	219,60	172,00	2159,00	779,70
HEM 280	310,00	288,00	18,50	33,00	240,20	189,00	2551,00	914,00
HEM 300	340,00	310,00	21,00	39,00	303,10	238,00	3482,00	1251,00
HEM 320	359,00	309,00	21,00	40,00	312,00	245,00	3795,00	1275,00
HEM 340	377,00	309,00	21,00	40,00	315,80	248,00	4051,00	1275,00
HEM 360	395,00	308,00	21,00	40,00	318,80	250,00	4297,00	1267,00
HEM 400	432,00	307,00	21,00	40,00	325,80	256,00	4820,00	1259,00
HEM 450	478,00	307,00	21,00	40,00	335,40	263,00	5501,00	1259,00
HEM 500	524,00	306,00	21,00	40,00	344,30	270,00	6180,00	1251,00
HEM 550	572,00	306,00	21,00	40,00	354,40	278,00	6922,00	1252,00
HEM 600	620,00	305,00	21,00	40,00	363,70	285,00	7659,00	1244,00
HEM 650	668,00	305,00	21,00	40,00	373,70	293,00	8433,00	1244,00
HEM 700	716,00	304,00	21,00	40,00	383,00	301,00	9197,00	1236,00
HEM 800	814,00	303,00	21,00	40,00	404,30	317,00	10870,00	1229,00
HEM 900	910,00	302,00	21,00	40,00	423,60	333,00	12530,00	1221,00
HEM 1000	1008,00	302,00	21,00	40,00	444,20	349,00	14330,00	1222,00

Possibility of metallization and painting with water-based primer for hot rolled products.
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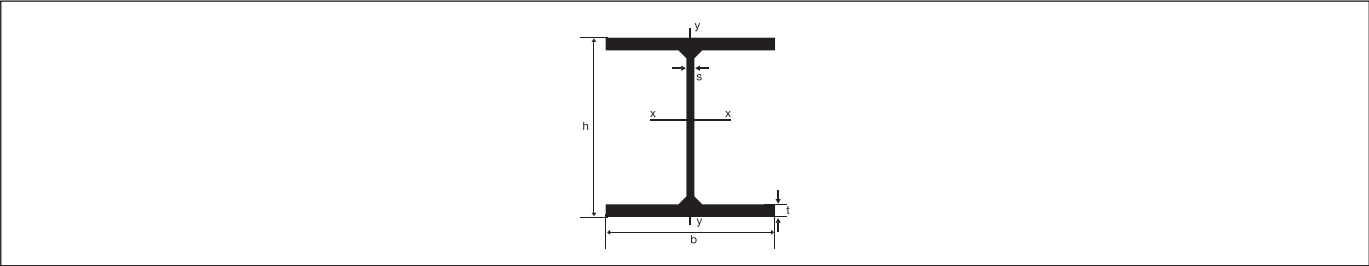
Medium flange beams IPE



IPE	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
IPE 80	80,00	46,00	3,80	5,20	7,60	6,00	20,03	3,69
IPE 100	100,00	55,00	4,10	5,70	10,30	8,10	34,20	5,79
IPE 120	120,00	64,00	4,40	6,30	13,20	10,40	52,95	8,65
IPE 140	140,00	73,00	4,70	6,90	16,40	12,90	77,31	12,30
IPE 160	160,00	82,00	5,00	7,40	20,10	15,80	108,60	16,66
IPE 180	180,00	91,00	5,30	8,00	23,90	18,80	146,30	22,16
IPE 200	200,00	100,00	5,60	8,50	28,50	22,40	194,30	28,47
IPE 220	220,00	110,00	5,90	9,20	33,40	26,20	251,90	37,25
IPE 240	240,00	120,00	6,20	9,80	39,10	30,70	324,30	47,27
IPE 270	270,00	135,00	6,60	10,20	45,90	36,10	428,80	62,20
IPE 300	300,00	150,00	7,10	10,70	53,80	42,20	557,00	80,50
IPE 330	330,00	160,00	7,50	11,50	62,60	49,10	713,10	98,51
IPE 360	360,00	170,00	8,00	12,70	72,70	57,10	903,60	122,70
IPE 400	400,00	180,00	8,60	13,50	84,50	66,30	1156,00	146,40
IPE 450	450,00	190,00	9,40	14,60	98,80	77,60	1499,00	176,40
IPE 500	500,00	200,00	10,20	16,00	115,50	90,70	1927,00	214,10
IPE 550	550,00	210,00	11,10	17,20	134,40	106,00	2440,00	254,00
IPE 600	600,00	220,00	12,00	19,00	156,00	122,00	3069,00	307,90

Possibility of metallization and painting with water-based primer for hot rolled products.
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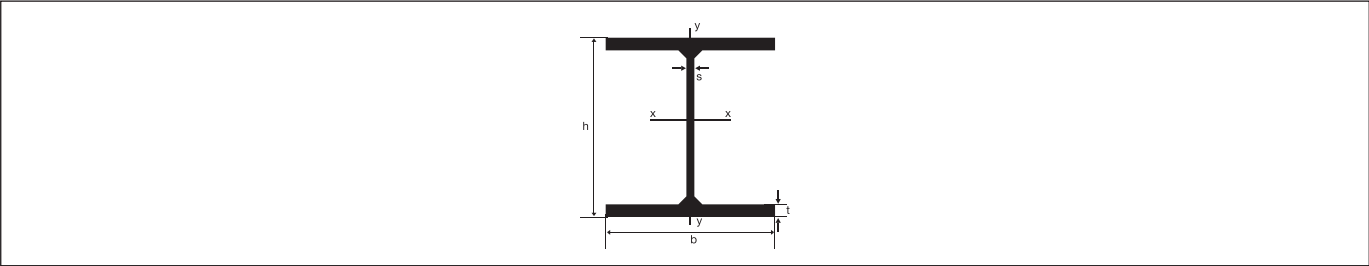
Medium flange beams IPEA



IPEA	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm²)	G (kg/m)	W _x (cm³)	W _y (cm³)
IPEA 80	78,00	46,00	3,30	4,20	6,40	5,00	16,50	2,98
IPEA 100	98,00	55,00	3,60	4,70	8,80	6,90	28,80	4,77
IPEA 120	117,60	64,00	3,80	5,10	11,00	8,70	43,76	7,00
IPEA 140	137,40	73,00	3,80	5,60	13,40	10,50	63,29	9,98
IPEA 160	157,00	82,00	4,00	5,90	16,20	12,70	87,80	13,27
IPEA 180	177,00	91,00	4,30	6,50	19,60	15,40	120,00	17,99
IPEA 200	197,00	100,00	4,50	7,00	23,50	18,40	161,50	23,43
IPEA 220	217,00	110,00	5,00	7,70	28,30	22,20	213,50	31,16
IPEA 240	237,00	120,00	5,20	8,30	33,30	26,20	277,60	40,02
IPEA 270	267,00	135,00	5,50	8,70	39,20	30,70	368,30	53,03
IPEA 300	297,00	150,00	6,10	9,20	46,50	36,50	483,00	69,19
IPEA 330	327,00	160,00	6,50	10,00	54,70	43,00	625,70	85,64
IPEA 360	357,60	170,00	6,60	11,50	64,00	50,20	811,80	111,00
IPEA 400	397,00	180,00	7,00	12,00	73,10	57,40	1022,00	130,00
IPEA 450	447,00	190,00	7,60	13,10	85,60	67,20	1331,00	158,10
IPEA 500	497,00	200,00	8,40	14,50	101,10	79,40	1727,00	193,90
IPEA 550	547,00	210,00	9,00	15,70	117,30	92,10	2193,00	231,60
IPEA 600	597,00	220,00	9,80	17,50	137,00	108,00	2777,00	283,20

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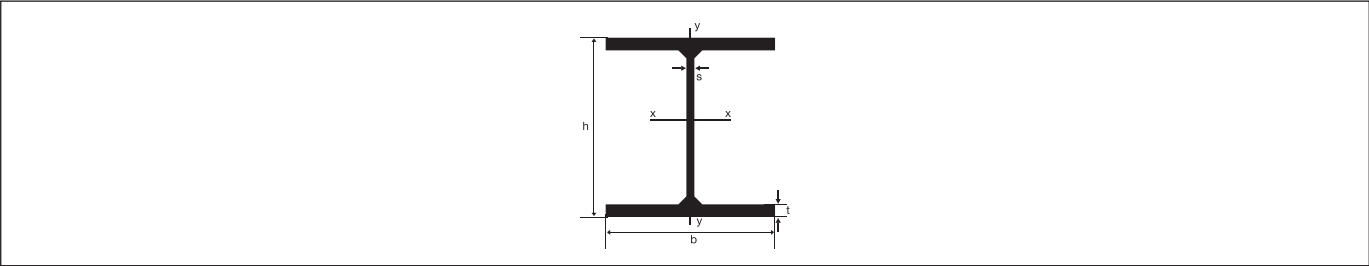
Medium flange beams IPEAA



IPEAA	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
IPEAA 80	78,00	46,00	3,20	4,20	6,30	4,90	16,43	2,98
IPEAA 100	97,60	55,00	3,60	4,50	8,60	6,70	27,84	4,57
IPEAA 120	117,00	64,00	3,80	4,80	10,70	8,40	41,73	6,59
IPEAA 140	136,60	73,00	3,80	5,20	12,80	10,10	59,65	9,27
IPEAA 160	156,40	82,00	4,00	5,60	15,70	12,30	84,28	12,60
IPEAA 180	176,40	91,00	4,30	6,20	19,00	14,90	115,60	17,16
IPEAA 200	196,40	100,00	4,50	6,70	22,90	18,00	156,10	22,43
IPEAA 220	216,40	110,00	4,70	7,40	27,00	21,20	205,00	29,94
IPEAA 240	236,40	120,00	4,80	8,00	31,70	24,90	266,80	38,56

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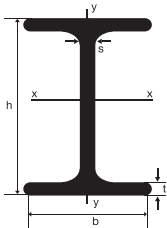
Medium flange beams IPEO



IPEO	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
IPEO 180	182,00	92,00	6,00	9,00	27,10	21,30	165,40	25,49
IPEO 200	202,00	102,00	6,20	9,50	32,00	25,10	218,90	33,11
IPEO 220	222,00	112,00	6,60	10,20	37,40	29,40	282,30	42,82
IPEO 240	242,00	122,00	7,00	10,80	43,70	34,30	361,00	53,85
IPEO 270	274,00	136,00	7,50	12,20	53,80	42,30	507,00	75,51
IPEO 300	304,00	152,00	8,00	12,70	62,80	49,30	657,50	98,12
IPEO 330	334,00	162,00	8,50	13,50	72,60	57,00	832,90	118,50
IPEO 360	364,00	172,00	9,20	14,70	84,10	66,00	1046,00	145,40
IPEO 400	404,00	182,00	9,70	15,50	96,40	75,70	1324,00	171,80
IPEO 450	456,00	192,00	11,00	17,60	117,70	92,40	1794,00	217,20
IPEO 500	506,00	202,00	12,00	19,00	136,70	107,00	2283,00	259,50
IPEO 550	556,00	212,00	12,70	20,20	156,10	123,00	2847,00	304,10
IPEO 600	610,00	224,00	15,00	24,00	196,80	154,00	3878,00	403,60

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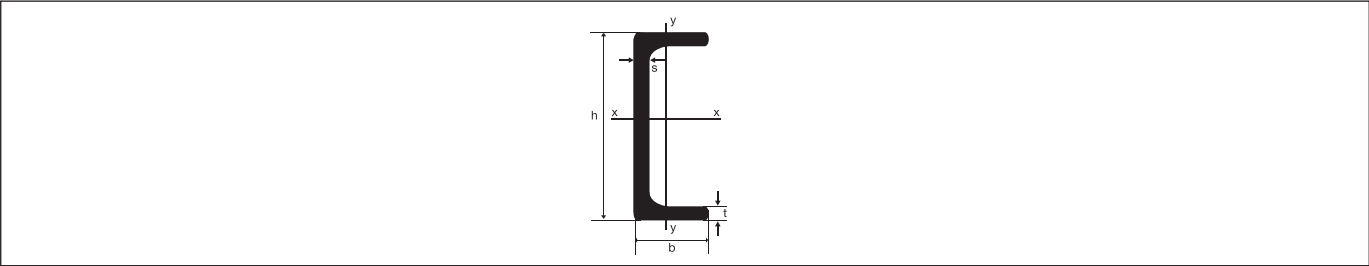
Narrow flange beams IPN



IPN	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
IPN 80	80,00	42,00	3,90	5,90	7,60	5,90	19,50	3,00
IPN 100	100,00	50,00	4,50	6,80	10,60	8,30	34,20	4,88
IPN 120	120,00	58,00	5,10	7,70	14,20	11,10	54,70	7,41
IPN 140	140,00	66,00	5,70	8,60	18,20	14,30	81,90	10,70
IPN 160	160,00	74,00	6,30	9,50	22,80	17,90	117,00	14,80
IPN 180	180,00	82,00	6,90	10,40	27,90	21,90	161,00	19,80
IPN 200	200,00	90,00	7,50	11,30	33,40	26,20	214,00	26,00
IPN 220	220,00	98,00	8,10	12,20	39,50	31,10	278,00	33,10
IPN 240	240,00	106,00	8,70	13,10	46,10	36,20	354,00	41,70
IPN 260	260,00	113,00	9,40	14,10	53,30	41,90	442,00	51,00
IPN 280	280,00	119,00	10,10	15,20	61,00	47,90	542,00	61,20
IPN 300	300,00	125,00	10,80	16,20	69,00	54,20	653,00	72,20
IPN 320	320,00	131,00	11,50	17,30	77,70	61,00	782,00	84,70
IPN 340	340,00	137,00	12,20	18,30	86,70	68,00	923,00	98,40
IPN 360	360,00	143,00	13,00	19,50	97,00	76,10	1090,00	114,00
IPN 380	380,00	149,00	13,70	20,50	107,00	84,00	1260,00	131,00
IPN 400	400,00	155,00	14,40	21,60	117,70	92,40	1460,00	149,00
IPN 450	450,00	170,00	16,20	24,30	146,90	115,00	2040,00	203,00
IPN 500	500,00	185,00	18,00	27,00	179,40	141,00	2750,00	268,00
IPN 550	550,00	200,00	19,00	30,00	212,00	166,00	3610,00	349,00
IPN 600	600,00	215,00	21,60	32,40	253,70	199,00	4630,00	434,00

Possibility of metallization and painting with water-based primer for hot rolled products. Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025. Dimensional specifications according to EN 10365. Product dimensional specifications and dimensional tolerances according to EN 10024.

Beams with U-shaped cross section (U channels)



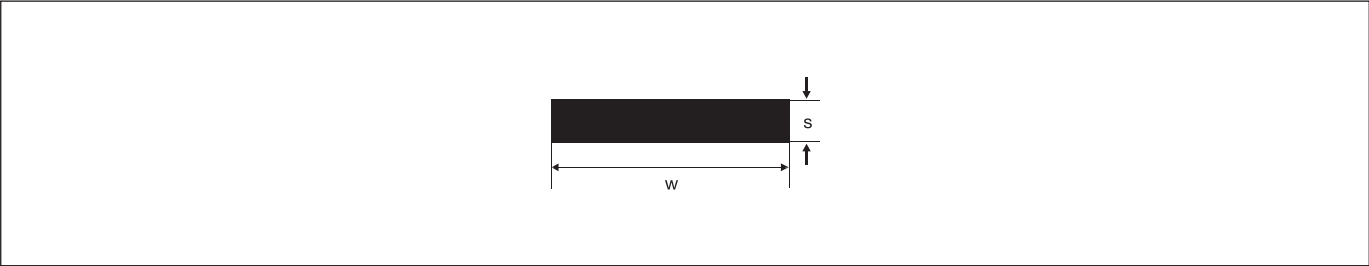
UPN	Dimensions				Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	t (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
UPN 50	50,00	38,00	5,00	7,00	7,10	5,60	10,60	3,75
UPN 65	65,00	42,00	5,50	7,50	9,00	7,10	17,70	5,07
UPN 80	80,00	45,00	6,00	8,00	11,00	8,60	26,50	6,36
UPN 100	100,00	50,00	6,00	8,50	13,50	10,60	41,20	8,49
UPN 120	120,00	55,00	7,00	9,00	17,00	13,40	60,70	11,10
UPN 140	140,00	60,00	7,00	10,00	20,40	16,00	86,40	14,80
UPN 160	160,00	65,00	7,50	10,50	24,00	18,80	116,00	18,30
UPN 180	180,00	70,00	8,00	11,00	28,00	22,00	150,00	22,40
UPN 200	200,00	75,00	8,50	11,50	32,20	25,30	191,00	27,00
UPN 220	220,00	80,00	9,00	12,50	37,40	29,40	245,00	33,60
UPN 240	240,00	85,00	9,50	13,00	42,30	33,20	300,00	39,60
UPN 260	260,00	90,00	10,00	14,00	48,30	37,90	371,00	47,70
UPN 280	280,00	95,00	10,00	15,00	53,30	41,80	448,00	57,20
UPN 300	300,00	100,00	10,00	16,00	58,80	46,20	535,00	67,80
UPN 320	320,00	100,00	14,00	17,50	75,80	59,50	679,00	80,60
UPN 350	350,00	100,00	14,00	16,00	77,30	60,60	734,00	75,00
UPN 380	380,00	102,00	13,50	16,00	80,40	63,10	829,00	78,70
UPN 400	400,00	110,00	14,00	18,00	91,50	71,80	1020,00	102,00

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Dimensional specifications according to EN 10365. Product specifications of dimensional tolerances according to EN 10279.

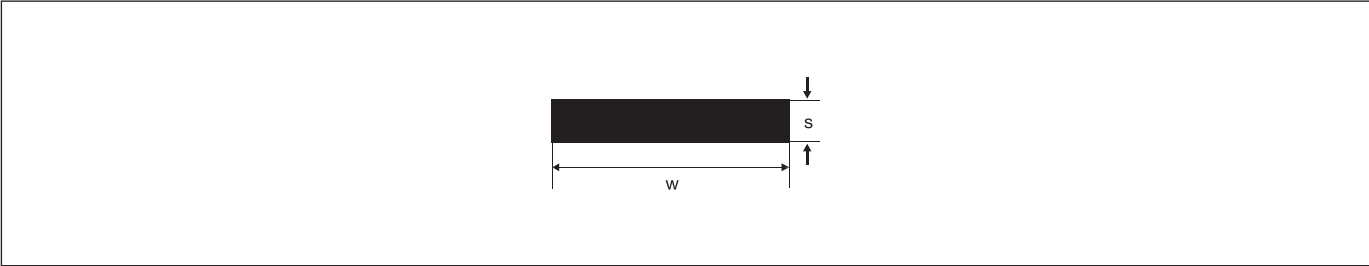
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
10x5	10,00	5,00	0,50	0,50
12x5	12,00	5,00	0,60	0,60
12x6	12,00	6,00	0,72	0,72
15x5	15,00	5,00	0,75	0,75
15x6	15,00	6,00	0,90	0,90
15x8	15,00	8,00	1,20	1,20
15x10	15,00	10,00	1,50	1,50
16x5	16,00	5,00	0,80	0,80
16x6	16,00	6,00	0,96	0,96
16x8	16,00	8,00	1,28	1,28
16x10	16,00	10,00	1,60	1,60
20x4	20,00	4,00	0,80	0,80
20x5	20,00	5,00	1,00	1,00
20x6	20,00	6,00	1,20	1,20
20x8	20,00	8,00	1,60	1,60
20x10	20,00	10,00	2,00	2,00
20x12	20,00	12,00	2,40	2,40
20x15	20,00	15,00	3,00	3,00
25x4	25,00	4,00	1,00	1,00
25x5	25,00	5,00	1,25	1,25
25x6	25,00	6,00	1,50	1,50
25x8	25,00	8,00	2,00	2,00
25x10	25,00	10,00	2,50	2,50
25x12	25,00	12,00	3,00	3,00
25x15	25,00	15,00	3,75	3,75

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

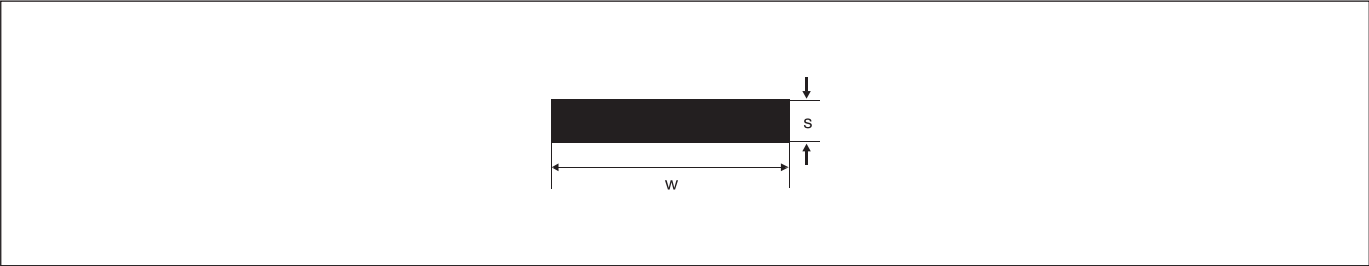
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
30x4	30,00	4,00	1,20	0,94
30x5	30,00	5,00	1,50	1,18
30x6	30,00	6,00	1,80	1,41
30x8	30,00	8,00	2,40	1,88
30x10	30,00	10,00	3,00	2,36
30x12	30,00	12,00	3,60	2,83
30x15	30,00	15,00	4,50	3,53
30x20	30,00	20,00	6,00	4,71
35x4	35,00	4,00	1,40	1,10
35x5	35,00	5,00	1,75	1,37
35x6	35,00	6,00	2,10	1,65
35x8	35,00	8,00	2,80	2,20
35x10	35,00	10,00	3,50	2,75
35x12	35,00	12,00	4,20	3,30
35x15	35,00	15,00	5,25	4,12
35x20	35,00	20,00	7,00	5,50
40x4	40,00	4,00	1,60	1,26
40x5	40,00	5,00	2,00	1,57
40x6	40,00	6,00	2,40	1,88
40x8	40,00	8,00	3,20	2,51
40x10	40,00	10,00	4,00	3,14
40x12	40,00	12,00	4,80	3,77
40x15	40,00	15,00	6,00	4,71
40x20	40,00	20,00	8,00	6,28
40x25	40,00	25,00	10,00	7,85

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

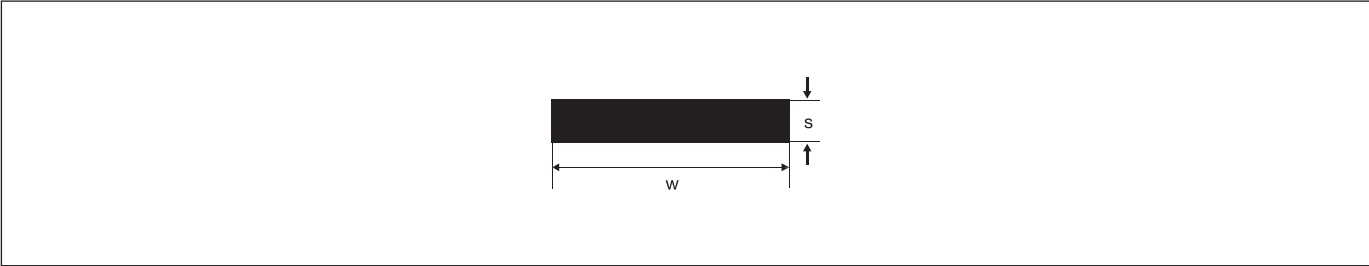
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
40x30	40,00	30,00	12,00	9,42
45x4	45,00	4,00	1,80	1,41
45x5	45,00	5,00	2,25	1,77
45x6	45,00	6,00	2,70	2,12
45x8	45,00	8,00	3,60	2,83
45x10	45,00	10,00	4,50	3,53
45x12	45,00	12,00	5,40	4,24
45x15	45,00	15,00	6,75	5,30
45x20	45,00	20,00	9,00	7,07
45x25	45,00	25,00	11,25	8,83
45x30	45,00	30,00	13,50	10,60
50x4	50,00	4,00	2,00	1,57
50x5	50,00	5,00	2,50	1,96
50x6	50,00	6,00	3,00	2,36
50x8	50,00	8,00	4,00	3,14
50x10	50,00	10,00	5,00	3,93
50x12	50,00	12,00	6,00	4,71
50x15	50,00	15,00	7,50	5,89
50x20	50,00	20,00	10,00	7,85
50x25	50,00	25,00	12,50	9,81
50x30	50,00	30,00	15,00	11,78
60x4	60,00	4,00	2,40	1,88
60x5	60,00	5,00	3,00	2,36
60x6	60,00	6,00	3,60	2,83
60x8	60,00	8,00	4,80	3,77

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

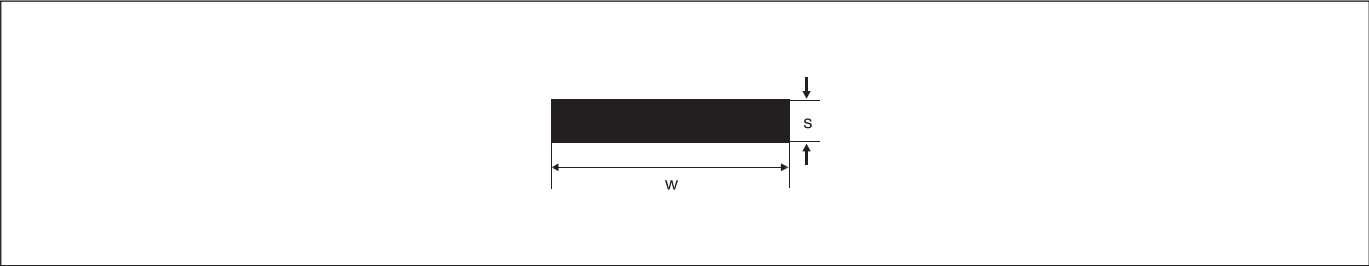
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
60x10	60,00	10,00	6,00	4,71
60x12	60,00	12,00	7,20	5,65
60x15	60,00	15,00	9,00	7,07
60x20	60,00	20,00	12,00	9,42
60x25	60,00	25,00	15,00	11,78
60x30	60,00	30,00	18,00	14,13
60x35	60,00	35,00	21,00	16,49
60x40	60,00	40,00	24,00	18,84
70x4	70,00	4,00	2,80	2,20
70x5	70,00	5,00	3,50	2,75
70x6	70,00	6,00	4,20	3,30
70x8	70,00	8,00	5,60	4,40
70x10	70,00	10,00	7,00	5,50
70x12	70,00	12,00	8,40	6,59
70x15	70,00	15,00	10,50	8,24
70x20	70,00	20,00	14,00	10,99
70x25	70,00	25,00	17,50	13,74
70x30	70,00	30,00	21,00	16,49
70x35	70,00	35,00	24,50	19,23
70x40	70,00	40,00	28,00	21,98
80x5	80,00	5,00	4,00	3,14
80x6	80,00	6,00	4,80	3,77
80x8	80,00	8,00	6,40	5,02
80x10	80,00	10,00	8,00	6,28
80x12	80,00	12,00	9,60	7,54

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

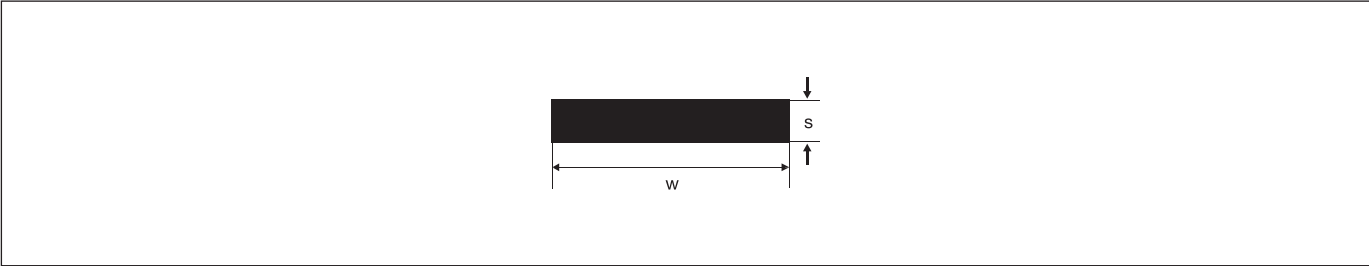
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
80x15	80,00	15,00	12,00	9,42
80x20	80,00	20,00	16,00	12,56
80x25	80,00	25,00	20,00	15,70
80x30	80,00	30,00	24,00	18,84
80x35	80,00	35,00	28,00	21,98
80x40	80,00	40,00	32,00	25,12
80x50	80,00	50,00	40,00	31,40
80x60	80,00	60,00	48,00	37,68
90x5	90,00	5,00	4,50	3,53
90x6	90,00	6,00	5,40	4,24
90x8	90,00	8,00	7,20	5,65
90x10	90,00	10,00	9,00	7,07
90x12	90,00	12,00	10,80	8,48
90x15	90,00	15,00	13,50	10,60
90x20	90,00	20,00	18,00	14,13
90x25	90,00	25,00	22,50	17,66
90x30	90,00	30,00	27,00	21,20
90x35	90,00	35,00	31,50	24,73
90x40	90,00	40,00	36,00	28,26
90x50	90,00	50,00	45,00	35,33
90x60	90,00	60,00	54,00	42,39
100x5	100,00	5,00	5,00	3,93
100x6	100,00	6,00	6,00	4,71
100x8	100,00	8,00	8,00	6,28
100x10	100,00	10,00	10,00	7,85

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

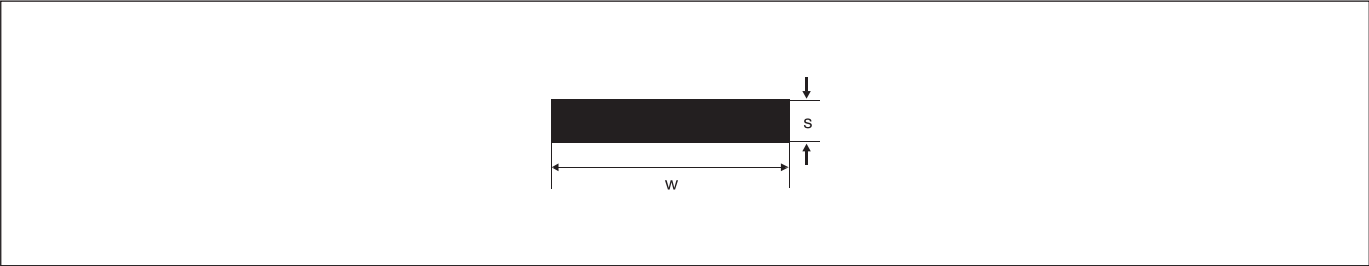
Flat bars



Λάμες	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
100x12	100,00	12,00	12,00	9,42
100x15	100,00	15,00	15,00	11,78
100x20	100,00	20,00	20,00	15,70
100x25	100,00	25,00	25,00	19,63
100x30	100,00	30,00	30,00	23,55
100x35	100,00	35,00	35,00	27,48
100x40	100,00	40,00	40,00	31,40
100x50	100,00	50,00	50,00	39,25
100x60	100,00	60,00	60,00	47,10
120x6	120,00	6,00	7,20	5,65
120x8	120,00	8,00	9,60	7,54
120x10	120,00	10,00	12,00	9,42
120x12	120,00	12,00	14,40	11,30
120x15	120,00	15,00	18,00	14,13
120x20	120,00	20,00	24,00	18,84
120x25	120,00	25,00	30,00	23,55
120x30	120,00	30,00	36,00	28,26
120x35	120,00	35,00	42,00	32,97
120x40	120,00	40,00	48,00	37,68
120x50	120,00	50,00	60,00	47,10
120x60	120,00	60,00	72,00	56,52
150x6	150,00	6,00	9,00	7,07
150x8	150,00	8,00	12,00	9,42
150x10	150,00	10,00	15,00	11,78
150x12	150,00	12,00	18,00	14,13

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

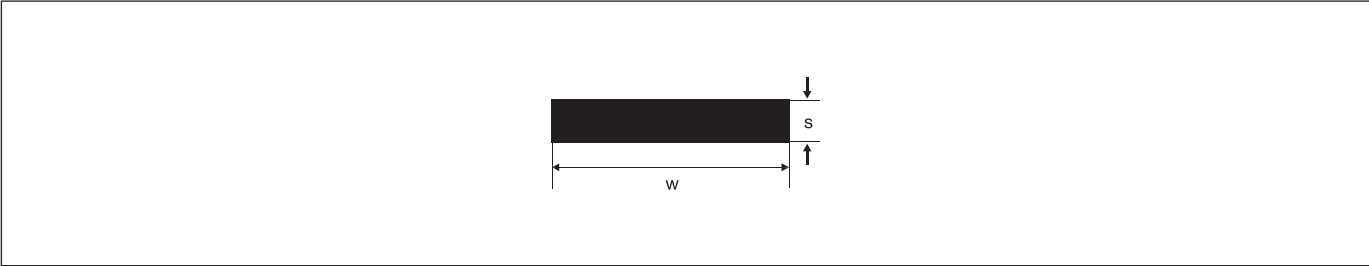
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
150x15	150,00	15,00	22,50	17,66
150x20	150,00	20,00	30,00	23,55
150x25	150,00	25,00	37,50	29,44
150x30	150,00	30,00	45,00	35,33
150x35	150,00	35,00	52,50	41,21
150x40	150,00	40,00	60,00	47,10
150x50	150,00	50,00	75,00	58,88
150x60	150,00	60,00	90,00	70,65
150x80	150,00	80,00	120,00	94,20
160x8	160,00	8,00	12,80	10,00
160x10	160,00	10,00	16,00	12,60
160x12	160,00	12,00	19,20	15,10
160x15	160,00	15,00	24,00	18,80
160x20	160,00	20,00	32,00	25,10
160x25	160,00	25,00	40,00	31,40
160x30	160,00	30,00	48,00	37,70
160x35	160,00	3,00	4,80	3,80
160x40	160,00	40,00	64,00	50,20
160x50	160,00	50,00	80,00	62,80
160x60	160,00	60,00	96,00	75,40
170x8	170,00	8,00	13,60	10,70
170x10	170,00	10,00	17,00	13,30
170x12	170,00	12,00	20,40	16,00
170x15	170,00	15,00	25,50	20,00
170x20	170,00	20,00	34,00	26,70

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

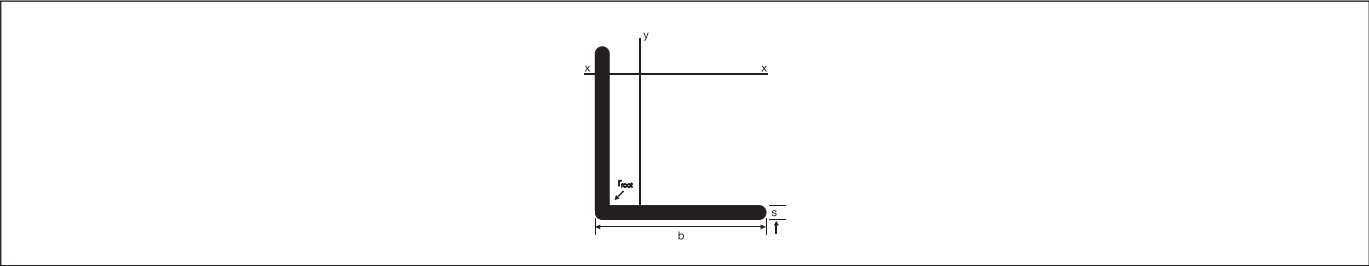
Flat bars



Flat bars	Dimensions		Section Area	Weight
	w (mm)	s (mm)	A (cm²)	G (kg/m)
170x25	170,00	25,00	42,50	33,40
170x30	170,00	30,00	51,00	40,00
170x35	170,00	35,00	59,50	46,70
170x40	170,00	40,00	68,00	53,40
170x50	170,00	50,00	85,00	66,70
170x60	170,00	60,00	102,00	80,10
180x8	180,00	8,00	14,40	11,30
180x10	180,00	10,00	18,00	14,10
180x12	180,00	12,00	21,60	17,00
180x15	180,00	15,00	27,00	21,20
180x20	180,00	20,00	36,00	28,30
180x25	180,00	25,00	45,00	35,30
200x8	200,00	8,00	16,00	12,60
200x10	200,00	10,00	20,00	15,70
200x12	200,00	12,00	24,00	18,80
200x15	200,00	15,00	30,00	23,60
200x20	200,00	20,00	40,00	31,40
200x25	200,00	25,00	50,00	39,30

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10058.

Equal angles



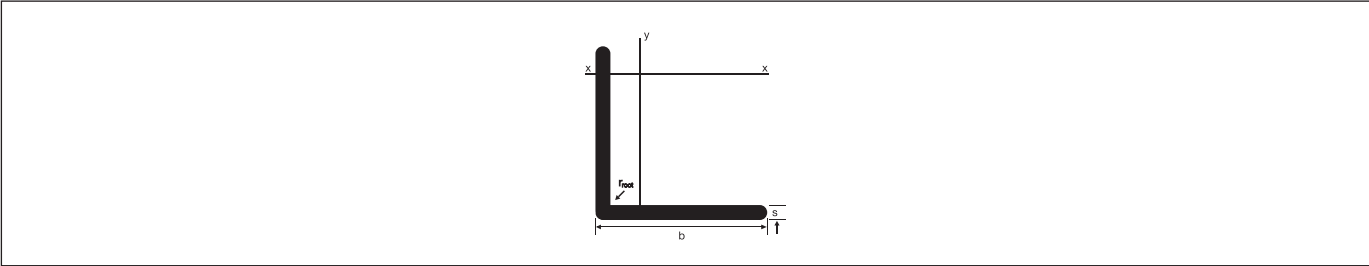
Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm²)	G (kg/m)	W _x = W _y (cm³)
20x20x3	20,00	3,00	3,5	1,12	0,88	0,28
25x25x3	25,00	3,00	3,50	1,42	1,12	0,45
25x25x4	25,00	4,00	3,50	1,85	1,45	0,59
25x25x5	25,00	5,00	4,00	2,27	1,78	0,71
30x30x3	30,00	3,00	5,00	1,74	1,36	0,65
30x30x4	30,00	4,00	5,00	2,27	1,78	0,85
30x30x5	30,00	5,00	5,00	2,78	2,18	1,04
35x35x3	35,00	3,00	5,00	2,04	1,60	0,90
35x35x3,5	35,00	3,50	5,00	2,35	1,85	1,04
35x35x4	35,00	4,00	5,00	2,67	2,09	1,18
35x35x5	35,00	5,00	5,00	3,28	2,57	1,45
38x38x4,5	38,00	4,50	6,00	3,26	2,56	1,55
38x38x6	38,00	6,00	6,00	4,24	3,33	2,02
40x40x3	40,00	3,00	6,00	2,35	1,84	1,18
40x40x4	40,00	4,00	6,00	3,08	2,42	1,55
40x40x5	40,00	5,00	6,00	3,79	2,97	1,91
40x40x6	40,00	6,00	6,00	4,48	3,52	2,26
45x45x3	45,00	3,00	7,00	2,66	2,09	1,49
45x45x4	45,00	4,00	7,00	3,49	2,74	1,97
45x45x4,5	45,00	4,50	7,00	3,90	3,06	2,20
45x45x5	45,00	5,00	7,00	4,30	3,38	2,43
45x45x6	45,00	6,00	7,00	5,09	4,00	2,88
45x45x7	45,00	7,00	7,00	5,86	4,60	3,31
50x50x3	50,00	3,00	7,00	2,96	2,33	1,86
50x50x4	50,00	4,00	7,00	3,89	3,06	2,46

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Product dimensional specifications and dimensional tolerances according to EN 10056.

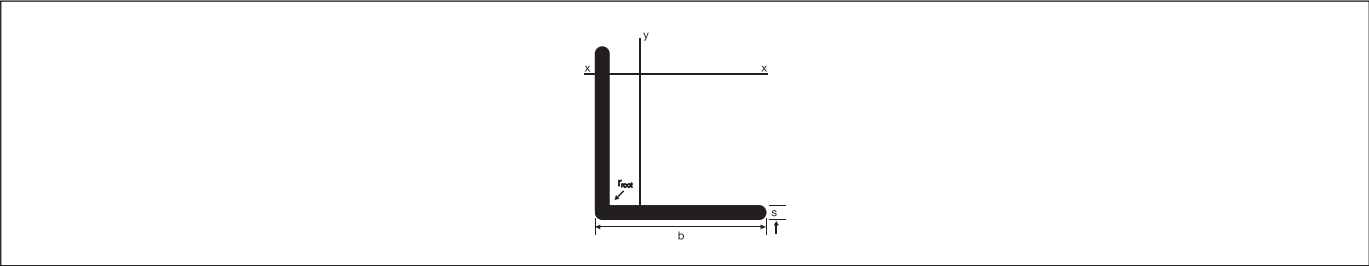
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm²)	G (kg/m)	W _x = W _y (cm³)
50x50x5	50,00	5,00	7,00	4,80	3,77	3,05
50x50x6	50,00	6,00	7,00	5,69	4,47	3,61
50x50x7	50,00	7,00	07,0	6,56	5,15	4,16
50x50x8	50,00	8,00	7,00	7,41	5,82	4,68
50x50x9	50,00	9,00	7,00	8,24	6,47	5,20
55x55x4	55,00	4,00	8,00	4,31	3,38	2,98
55x55x5	55,00	5,00	8,00	5,32	4,18	3,70
55x55x6	55,00	6,00	8,00	6,31	4,95	4,39
60x60x4	60,00	4,00	8,00	4,71	3,70	3,58
60x60x5	60,00	5,00	8,00	5,82	4,57	4,45
60x60x6	60,00	6,00	8,00	6,91	5,42	5,29
60x60x7	60,00	7,00	8,00	7,98	6,26	6,10
60x60x8	60,00	8,00	8,00	9,03	7,09	6,89
60x60x10	60,00	10,00	8,00	11,10	8,69	8,41
63x63x5	63,00	5,00	9,00	6,14	4,82	4,88
63x63x6	63,00	6,00	9,00	7,29	5,72	5,82
63x63x6,5	63,00	6,50	9,00	7,85	6,17	6,27
65x65x4	65,00	4,00	9,00	5,13	4,02	4,19
65x65x5	65,00	5,00	9,00	6,34	4,97	5,22
65x65x6	65,00	6,00	9,00	7,53	5,91	6,21
65x65x7	65,00	7,00	9,00	8,70	6,83	7,18
65x65x8	65,00	8,00	9,00	9,85	7,73	8,13
65x65x9	65,00	9,00	9,00	11,00	8,62	9,05
65x65x10	65,00	10,00	9,00	12,10	9,49	9,94
65x65x11	65,00	11,00	9,00	13,20	10,30	10,80

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

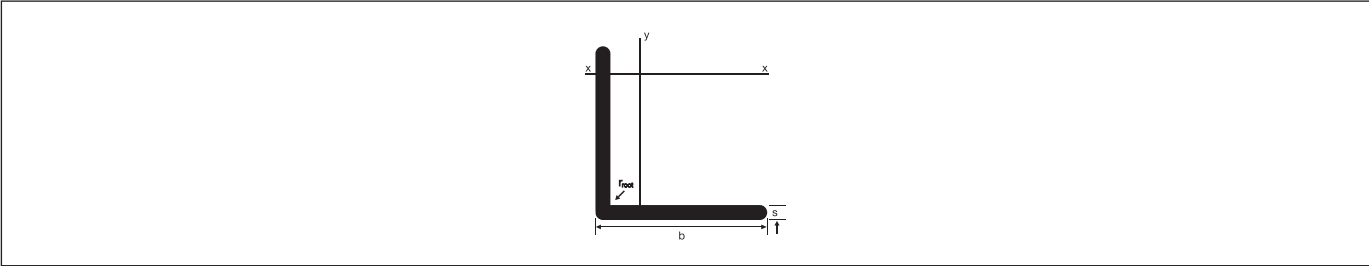
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm²)	G (kg/m)	W _x = W _y (cm³)
70x70x5	70,00	5,00	9,00	6,84	5,37	6,10
70x70x6	70,00	6,00	9,00	8,13	6,38	7,27
70x70x7	70,00	7,00	9,00	9,40	7,38	8,41
70x70x8	70,00	8,00	9,00	10,70	8,37	9,46
70x70x9	70,00	9,00	9,00	11,90	9,32	10,60
70x70x10	70,00	10,00	9,00	13,10	10,30	11,70
75x75x4	75,00	4,00	9,00	5,93	4,65	5,67
75x75x5	75,00	5,00	9,00	7,34	5,76	7,06
75x75x6	75,00	6,00	9,00	8,73	6,85	8,41
75x75x7	75,00	7,00	9,00	10,10	7,93	9,74
75x75x8	75,00	8,00	9,00	11,40	8,99	11,00
75x75x9	75,00	9,00	9,00	12,80	10,00	12,30
75x75x10	75,00	10,00	9,00	14,10	11,10	13,50
76x76x5	76,00	5,00	9,00	7,44	5,84	7,26
76x76x6,5	76,00	6,50	9,00	9,54	7,49	9,34
76x76x8	76,00	8,00	9,00	11,60	9,11	11,30
76x76x9,5	76,00	9,50	9,00	13,60	10,70	13,30
80x80x5	80,00	5,00	10,00	7,86	6,17	8,02
80x80x6	80,00	6,00	10,00	9,35	7,34	9,57
80x80x7	80,00	7,00	10,00	10,80	8,49	11,10
80x80x8	80,00	8,00	10,00	12,30	9,63	12,60
80x80x9	80,00	9,00	10,00	13,70	10,80	14,00
80x80x10	80,00	10,00	10,00	15,10	11,90	15,40
90x90x5	90,00	5,00	11,00	8,88	6,97	10,20
90x90x6	90,00	6,00	11,00	10,60	8,30	12,20

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

Equal angles



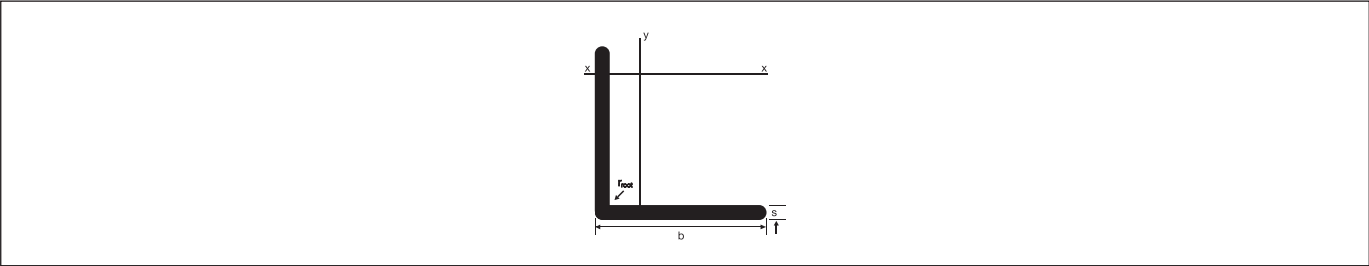
Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x = W _y (cm ³)
90x90x7	90,00	7,00	11,00	12,20	9,61	14,10
90x90x8	90,00	8,00	11,00	13,90	10,90	16,10
90x90x9	90,00	9,00	11,00	15,50	12,20	17,90
90x90x10	90,00	10,00	11,00	17,10	13,40	19,80
90x90x11	90,00	11,00	11,00	18,70	14,70	21,60
90x90x16	90,00	16,00	11,00	26,40	20,70	30,10
100x100x6	100,00	6,00	12,00	11,80	9,26	15,10
100x100x7	100,00	7,00	12,00	13,70	10,70	17,50
100x100x8	100,00	8,00	12,00	15,50	12,20	19,90
100x100x9	100,00	9,00	12,00	17,30	13,60	22,30
100x100x10	100,00	10,00	12,00	19,20	15,00	24,60
100x100x11	100,00	11,00	12,00	20,90	16,40	26,90
100x100x12	100,00	12,00	12,00	22,70	17,80	29,10
100x100x13	100,00	13,00	12,00	24,50	19,20	31,30
100x100x14	100,00	14,00	12,00	26,20	20,60	33,50
100x100x15	100,00	15,00	12,00	27,90	21,90	35,60
100x100x16	100,00	16,00	12,00	29,60	23,20	37,70
110x110x6	110,00	6,00	12,00	13,00	10,20	18,40
110x110x7	110,00	7,00	12,00	15,10	11,80	21,40
110x110x8	110,00	8,00	12,00	17,10	13,40	24,40
110x110x9	110,00	9,00	12,00	19,10	15,00	27,30
110x110x10	110,00	10,00	13,00	21,20	16,60	30,00
110x110x11	110,00	11,00	13,00	23,20	18,20	32,80
110x110x12	110,00	12,00	13,00	25,10	19,70	35,50
120x120x7	120,00	7,00	13,00	16,50	12,90	25,60

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Product dimensional specifications and dimensional tolerances according to EN 10056.

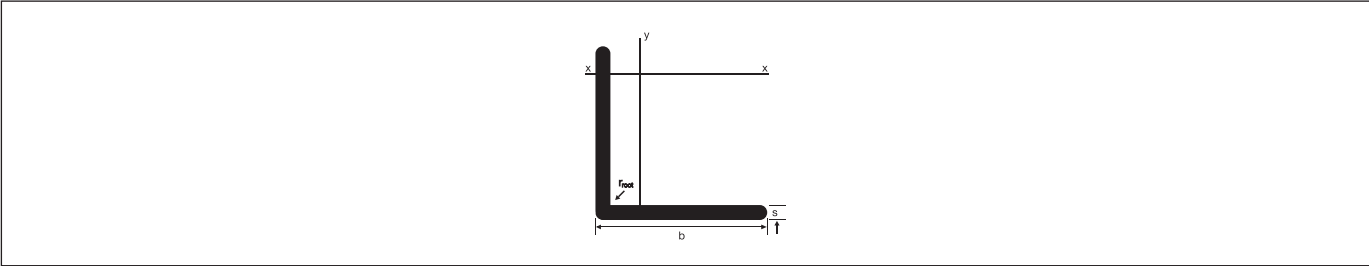
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm²)	G (kg/m)	W _x = W _y (cm³)
120x120x8	120,00	8,00	13,00	18,70	14,70	29,10
120x120x9	120,00	9,00	13,00	21,00	16,50	32,60
120x120x10	120,00	10,00	13,00	23,20	18,20	36,00
120x120x11	120,00	11,00	13,00	25,40	19,90	39,40
120x120x12	120,00	12,00	13,00	27,50	21,60	42,70
120x120x13	120,00	13,00	13,00	29,70	23,30	46,00
120x120x14	120,00	14,00	13,00	31,80	25,00	49,30
120x120x15	120,00	15,00	13,00	33,90	26,60	52,40
120x120x16	120,00	16,00	13,00	36,00	28,30	55,60
130x130x8	130,00	8,00	14,00	20,40	16,00	34,30
130x130x9	130,00	9,00	14,00	22,80	17,90	38,40
130x130x10	130,00	10,00	14,00	25,20	19,80	42,50
130x130x11	130,00	11,00	14,00	27,60	21,70	46,50
130x130x12	130,00	12,00	14,00	30,00	23,60	50,40
130x130x13	130,00	13,00	14,00	32,30	25,40	54,40
130x130x14	130,00	14,00	14,00	34,70	27,20	58,20
130x130x15	130,00	15,00	14,00	37,00	29,00	62,00
130x130x16	130,00	16,00	14,00	39,30	30,80	65,80
140x140x9	140,00	9,00	15,00	24,60	19,30	44,70
140x140x10	140,00	10,00	15,00	27,20	21,40	49,40
140x140x11	140,00	11,00	15,00	29,80	23,40	54,10
140x140x12	140,00	12,00	15,00	32,40	25,40	58,80
140x140x13	140,00	13,00	15,00	35,00	27,50	63,40
140x140x14	140,00	14,00	15,00	37,50	29,40	67,90
140x140x15	140,00	15,00	15,00	40,00	31,40	72,40

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

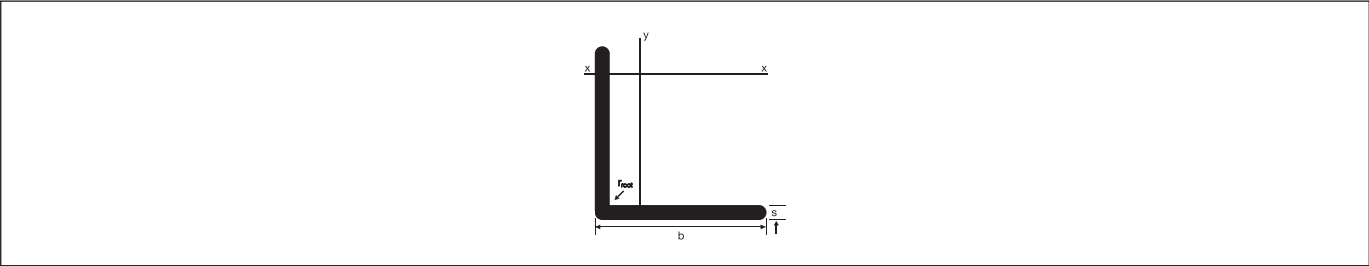
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x = W _y (cm ³)
140x140x16	140,00	16,00	15,00	42,50	33,30	76,80
140x140x18	140,00	18,00	15,00	47,40	37,20	85,40
150x150x10	150,00	10,00	16,00	29,30	23,00	56,90
150x150x11	150,00	11,00	16,00	32,10	25,20	62,40
150x150x12	150,00	12,00	16,00	34,80	27,30	67,70
150x150x13	150,00	13,00	16,00	37,60	29,50	73,10
150x150x14	150,00	14,00	16,00	40,30	31,60	78,30
150x150x15	150,00	15,00	16,00	43,00	33,80	83,50
150x150x16	150,00	16,00	16,00	45,70	35,90	88,70
150x150x17	150,00	17,00	16,00	48,40	38,00	93,70
150x150x18	150,00	18,00	16,00	51,00	40,10	98,70
150x150x19	150,00	19,00	16,00	53,70	42,10	104,00
150x150x20	150,00	20,00	16,00	56,30	44,20	109,00
160x160x12	160,00	12,00	17,00	37,30	29,30	77,30
160x160x13	160,00	13,00	17,00	40,20	31,60	83,50
160x160x14	160,00	14,00	17,00	43,20	33,90	89,50
160x160x15	160,00	15,00	17,00	46,10	36,20	95,60
160x160x16	160,00	16,00	17,00	49,00	38,40	101,00
160x160x17	160,00	17,00	17,00	51,80	40,70	107,00
160x160x18	160,00	18,00	17,00	54,70	42,90	113,00
160x160x19	160,00	19,00	17,00	57,50	45,10	119,00
160x160x20	160,00	20,00	17,00	60,30	47,30	124,00
180x180x13	180,00	13,00	18,00	45,50	35,70	107,00
180x180x14	180,00	14,00	18,00	48,80	38,30	114,00
180x180x15	180,00	15,00	18,00	52,10	40,90	122,00

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

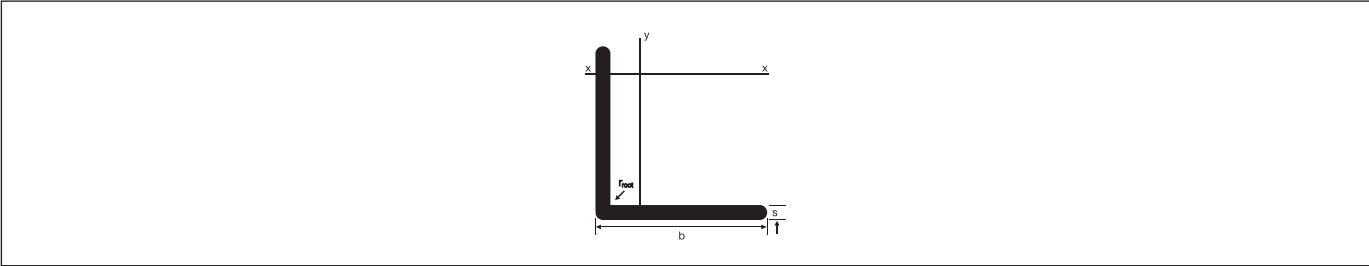
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x = W _y (cm ³)
180x180x16	180,00	16,00	18,00	55,40	43,50	130,00
180x180x17	180,00	17,00	18,00	58,70	46,00	137,00
180x180x18	180,00	18,00	18,00	61,90	48,60	145,00
180x180x19	180,00	19,00	18,00	65,10	51,10	152,00
180x180x20	180,00	20,00	18,00	68,30	53,70	159,00
200x200x13	200,00	13,00	18,00	50,70	39,80	133,00
200x200x14	200,00	14,00	18,00	54,40	42,70	143,00
200x200x15	200,00	15,00	18,00	58,10	45,60	152,00
200x200x16	200,00	16,00	18,00	61,80	48,50	162,00
200x200x17	200,00	17,00	18,00	65,50	51,40	171,00
200x200x18	200,00	18,00	18,00	69,10	54,30	181,00
200x200x19	200,00	19,00	18,00	72,70	57,10	190,00
200x200x20	200,00	20,00	18,00	76,30	59,90	199,00
200x200x21	200,00	21,00	18,00	79,90	62,80	208,00
200x200x22	200,00	22,00	18,00	83,50	65,60	217,00
200x200x23	200,00	23,00	18,00	87,10	68,30	226,00
200x200x24	200,00	24,00	18,00	90,60	71,10	235,00
200x200x25	200,00	25,00	18,00	94,10	73,90	244,00
200x200x26	200,00	26,00	18,00	97,60	76,60	253,00
200x200x27	200,00	27,00	18,00	101,00	79,30	261,00
200x200x28	200,00	28,00	18,00	105,00	82,00	270,00
250x250x17	250,00	17,00	18,00	82,10	64,40	269,00
250x250x18	250,00	18,00	18,00	86,70	68,10	284,00
250x250x19	250,00	19,00	18,00	91,40	71,70	299,00
250x250x20	250,00	20,00	18,00	96,00	75,30	314,00

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

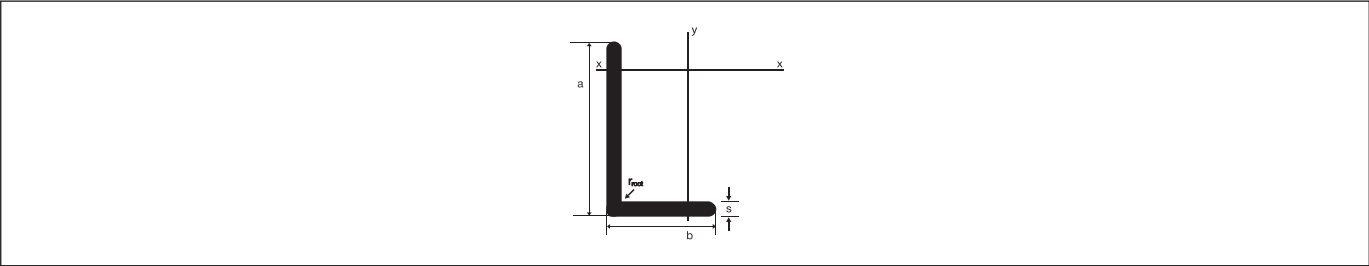
Equal angles



Equal angles	Dimensions			Section Area	Weight	Resistance moment
	b (mm)	s (mm)	r _{root} (mm)	A (cm²)	G (kg/m)	W _x = W _y (cm³)
250x250x21	250,00	21,00	18,00	101,00	78,90	329,00
250x250x22	250,00	22,00	18,00	105,00	82,50	343,00
250x250x23	250,00	23,00	18,00	110,00	86,10	358,00
250x250x24	250,00	24,00	18,00	114,00	89,70	372,00
250x250x25	250,00	25,00	18,00	119,00	93,20	387,00
250x250x26	250,00	26,00	18,00	123,00	96,70	401,00
250x250x27	250,00	27,00	18,00	128,00	101,00	415,00
250x250x28	250,00	28,00	18,00	133,00	104,00	433,00
250x250x29	250,00	29,00	18,00	137,00	107,00	443,00
250x250x30	250,00	30,00	18,00	141,00	111,00	457,00
250x250x31	250,00	31,00	18,00	145,00	114,00	471,00
250x250x32	250,00	32,00	18,00	150,00	118,00	484,00
250x250x33	250,00	33,00	18,00	154,00	121,00	498,00
250x250x34	250,00	34,00	18,00	158,00	124,00	512,00
250x250x35	250,00	35,00	18,00	163,00	128,00	529,00
300x300x25	300,00	25,00	18,00	143,00	112,00	561,00
300x300x26	300,00	26,00	18,00	148,00	116,00	583,00
300x300x27	300,00	27,00	18,00	154,00	121,00	604,00
300x300x28	300,00	28,00	18,00	159,00	125,00	625,00
300x300x29	300,00	29,00	18,00	165,00	129,00	645,00
300x300x30	300,00	30,00	18,00	170,00	133,00	666,00
300x300x31	300,00	31,00	18,00	175,00	138,00	686,00
300x300x32	300,00	32,00	18,00	181,00	142,00	707,00
300x300x33	300,00	33,00	18,00	186,00	146,00	727,00
300x300x34	300,00	34,00	18,00	191,00	150,00	748,00
300x300x35	300,00	35,00	18,00	197,00	154,00	767,00

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

Unequal angles



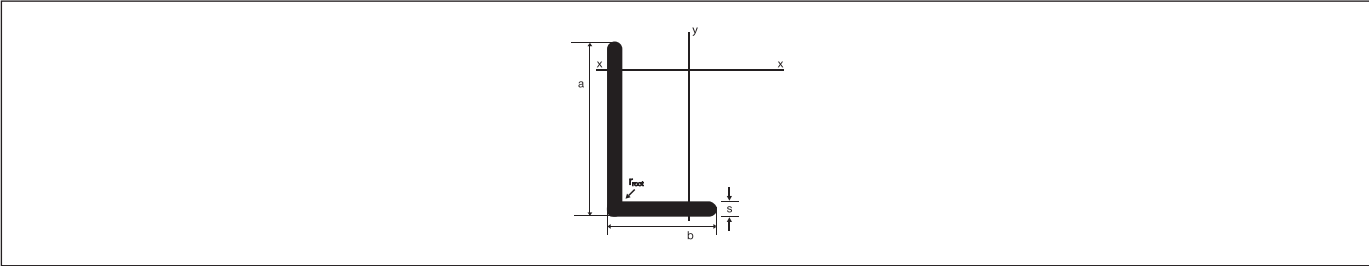
Unequal angles	Dimensions				Section Area	Weight	Resistance moment	
	a (mm)	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
30 x 20 x 3	30,00	20,00	3,00	4,00	1,43	1,12	0,62	0,29
30 x 20 x 4	30,00	20,00	4,00	4,00	1,86	1,46	0,81	0,38
40 x 20 x 4	40,00	20,00	4,00	4,00	2,26	1,77	1,42	0,39
40 x 25 x 4	40,00	25,00	4,00	4,00	2,46	1,93	1,47	0,62
45 x 30 x 4	45,00	30,00	4,00	4,50	2,87	2,25	1,91	0,91
50 x 30 x 5	50,00	30,00	5,00	5,00	3,78	2,96	2,86	1,11
60 x 30 x 5	60,00	30,00	5,00	5,00	4,28	3,36	4,07	1,14
60 x 40 x 5	60,00	40,00	5,00	6,00	4,79	3,76	4,25	2,02
60 x 40 x 6	60,00	40,00	6,00	6,00	5,68	4,46	5,03	2,38
65 x 50 x 5	65,00	50,00	5,00	6,00	5,54	4,35	5,14	3,19
70 x 50 x 6	70,00	50,00	6,00	7,00	6,89	5,41	7,01	3,78
75 x 50 x 6	75,00	50,00	6,00	7,00	7,19	5,65	8,01	3,81
75 x 50 x 8	75,00	50,00	8,00	7,00	9,41	7,39	10,40	4,95
80 x 40 x 6	80,00	40,00	6,00	7,00	6,89	5,41	8,73	2,44
80 x 40 x 8	80,00	40,00	8,00	7,00	9,01	7,07	11,40	3,16
80 x 60 x 7	80,00	60,00	7,00	8,00	9,38	7,36	10,70	6,34
100 x 50 x 6	100,00	50,00	6,00	8,00	8,71	6,84	13,80	3,89
100 x 50 x 8	100,00	50,00	8,00	8,00	11,40	8,97	18,20	5,08
100 x 65 x 7	100,00	65,00	7,00	10,00	11,20	8,77	16,60	7,53
100 x 65 x 8	100,00	65,00	8,00	10,00	12,70	9,94	18,90	8,54
100 x 65 x 9	100,00	65,00	9,00	10,00	14,10	11,10	21,10	9,52
100 x 65 x 10	100,00	65,00	10,00	10,00	15,60	12,30	23,20	10,50
100 x 65 x 11	100,00	65,00	11,00	10,00	17,10	13,40	25,30	11,40
100 x 65 x 12	100,00	65,00	12,00	10,00	18,50	14,50	27,40	12,30
100 x 75 x 8	100,00	75,00	8,00	10,00	13,50	10,60	19,30	11,40

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Product dimensional specifications and dimensional tolerances according to EN 10056.

Unequal angles



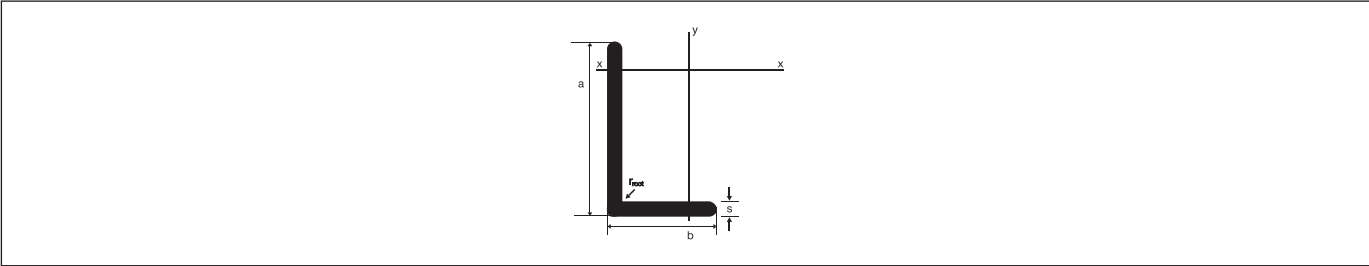
Unequal angles	Dimensions				Section Area	Weight	Resistance moment	
	a (mm)	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
100 X 75 X 10	100,00	75,00	10,00	10,00	16,60	13,00	23,80	14,00
100 X 75 X 12	100,00	75,00	12,00	10,00	19,70	15,40	28,00	16,50
110 X 70 X 10	110,00	70,00	10,00	10,00	17,10	13,40	28,30	12,30
110 X 70 X 12	110,00	70,00	12,00	10,00	20,30	15,90	33,40	14,50
120 X 80 X 8	120,00	80,00	8,00	11,00	15,50	12,20	27,60	13,20
120 X 80 X 10	120,00	80,00	10,00	11,00	19,10	15,00	34,10	16,20
120 X 80 X 12	120,00	80,00	12,00	11,00	22,70	17,80	40,40	19,10
125 X 75 X 8	125,00	75,00	8,00	11,00	15,50	12,20	29,60	11,60
125 X 75 X 10	125,00	75,00	10,00	11,00	19,10	15,00	36,50	14,30
125 X 75 X 12	125,00	75,00	12,00	11,00	22,70	17,80	43,20	16,90
130 X 90 X 10	130,00	90,00	10,00	11,00	21,20	16,60	40,70	20,80
130 X 90 X 12	130,00	90,00	12,00	11,00	25,10	19,70	48,00	24,40
130 X 90 X 14	130,00	90,00	14,00	11,00	29,00	22,80	55,50	28,20
135 X 65 X 8	135,00	65,00	8,00	11,00	15,50	12,20	33,40	8,75
135 X 65 X 10	135,00	65,00	10,00	11,00	19,10	15,00	41,30	10,80
140 X 90 X 8	140,00	90,00	8,00	11,00	17,90	14,00	37,90	17,00
140 X 90 X 10	140,00	90,00	10,00	11,00	22,10	17,40	46,80	20,90
140 X 90 X 12	140,00	90,00	12,00	11,00	26,30	20,60	55,50	24,70
140 X 90 X 14	140,00	90,00	14,00	11,00	30,40	23,80	64,00	28,40
150 X 75 X 9	150,00	75,00	9,00	12,00	19,60	15,40	46,70	13,10
150 X 75 X 10	150,00	75,00	10,00	12,00	21,70	17,00	51,60	14,50
150 X 75 X 12	150,00	75,00	12,00	12,00	25,70	20,20	61,30	17,10
150 X 75 X 15	150,00	75,00	15,00	12,00	31,70	24,80	75,20	21,00
150 X 90 X 10	150,00	90,00	10,00	12,00	23,20	18,20	53,30	21,00
150 X 90 X 11	150,00	90,00	11,00	12,00	25,30	19,90	58,30	22,90

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.

Product dimensional specifications and dimensional tolerances according to EN 10056.

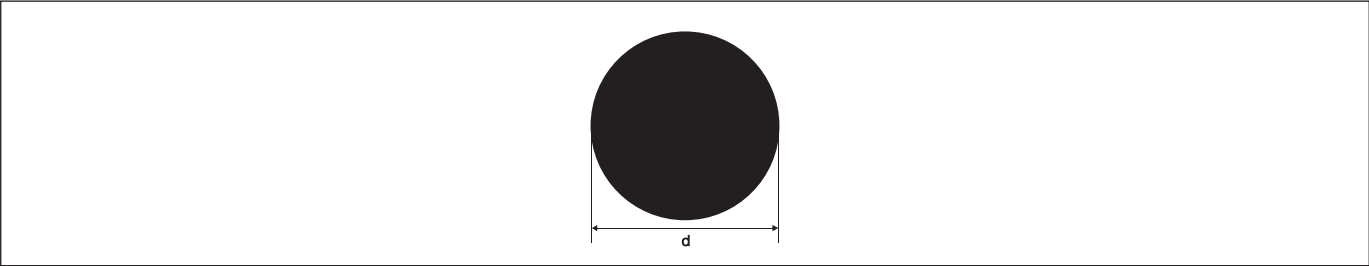
Unequal angles



Unequal angles	Dimensions				Section Area	Weight	Resistance moment	
	a (mm)	b (mm)	s (mm)	r _{root} (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)	W _y (cm ³)
150 X 90 X 12	150,00	90,00	12,00	12,00	27,50	21,60	63,30	24,80
150 X 90 X 15	150,00	90,00	15,00	12,00	33,90	26,60	77,70	30,40
150 X 100 X 10	150,00	100,00	10,00	12,00	24,20	19,00	54,20	25,90
150 X 100 X 12	150,00	100,00	12,00	12,00	28,70	22,50	64,40	30,70
150 X 100 X 14	150,00	100,00	14,00	12,00	33,20	26,10	74,30	35,30
200 X 100 X 10	200,00	100,00	10,00	15,00	29,20	23,00	93,20	26,30
200 X 100 X 12	200,00	100,00	12,00	15,00	34,80	27,30	111,00	31,30
200 X 100 X 14	200,00	100,00	14,00	15,00	40,30	31,60	128,00	36,10
200 X 100 X 15	200,00	100,00	15,00	15,00	43,00	33,80	137,00	38,50
200 X 100 X 16	200,00	100,00	16,00	15,00	45,70	35,90	145,00	40,80
200 X 150 X 12	200,00	150,00	12,00	15,00	40,80	32,00	119,00	70,50
200 X 150 X 15	200,00	150,00	15,00	15,00	50,50	39,60	147,00	86,90

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10056.

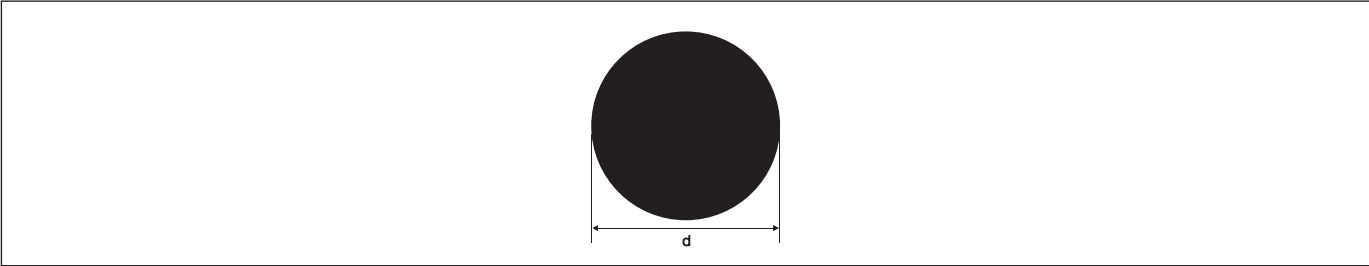
Round bars



Round bars	Dimensions	Section Area	Weight	Resistance moment
	d (mm)	A (cm²)	G (kg/m)	W (cm³)
8	8,00	0,50	0,39	0,05
10	10,00	0,79	0,62	0,10
12	12,00	1,13	0,89	0,17
13	13,00	1,33	1,04	0,22
14	14,00	1,54	1,21	0,27
15	15,00	1,77	1,39	0,33
16	16,00	2,01	1,58	0,40
18	18,00	2,54	2,00	0,57
19	19,00	2,84	2,23	0,67
20	20,00	3,14	2,47	0,79
22	22,00	3,80	2,98	1,05
24	24,00	4,52	3,55	1,36
25	25,00	4,91	3,85	1,53
26	26,00	5,31	4,17	1,73
27	27,00	5,73	4,49	1,93
28	28,00	6,16	4,83	2,16
30	30,00	7,07	5,55	2,65
32	32,00	8,04	6,31	3,22
35	35,00	9,62	7,55	4,21
36	36,00	10,18	7,99	4,58
38	38,00	11,34	8,90	5,39
40	40,00	12,57	9,86	6,28
42	42,00	13,85	10,88	7,27
45	45,00	15,90	12,48	8,95
48	48,00	18,10	14,20	10,86

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10060.

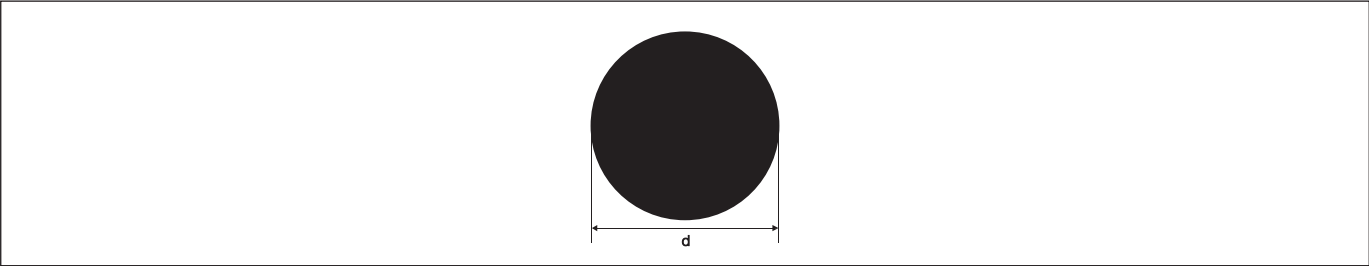
Round bars



Round bars	Dimensions	Section Area	Weight	Resistance moment
	d (mm)	A (cm²)	G (kg/m)	W (cm³)
50	50,00	19,63	15,41	12,27
52	52,00	21,24	16,67	13,80
55	55,00	23,76	18,65	16,33
60	60,00	28,27	22,19	21,21
63	63,00	31,17	24,47	24,55
65	65,00	33,18	26,05	26,96
70	70,00	38,48	30,21	33,67
73	73,00	41,85	32,85	38,19
75	75,00	44,18	34,68	41,42
80	80,00	50,26	39,46	50,26
85	85,00	56,74	44,54	60,29
90	90,00	63,62	49,94	71,57
95	95,00	70,88	55,64	84,17
100	100,00	78,54	61,65	98,17
105	105,00	86,59	67,97	113,65
110	110,00	95,03	74,60	130,67
115	115,00	103,87	81,53	149,31
120	120,00	113,09	88,78	169,64
125	125,00	122,71	96,33	191,74
130	130,00	132,73	104,19	215,68
135	135,00	143,13	112,36	241,54
140	140,00	153,93	120,84	269,38
145	145,00	165,13	129,62	299,29
150	150,00	176,71	138,72	331,33
155	155,00	188,69	148,12	365,58

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10060.

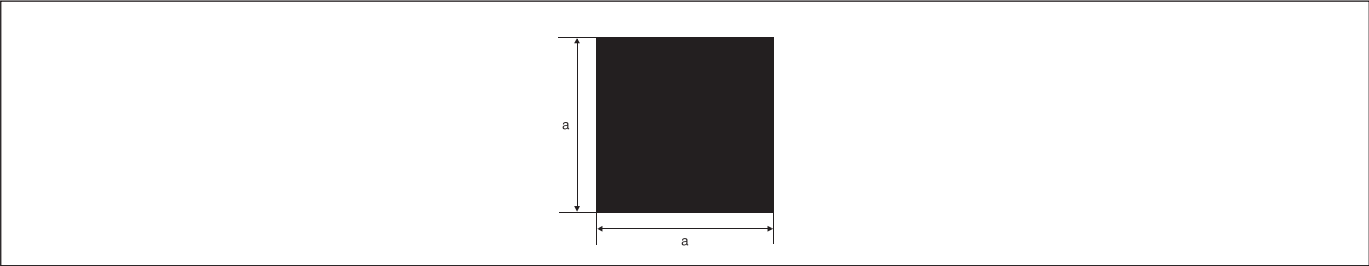
Round bars



Round bars	Dimensions	Section Area	Weight	Resistance moment
	d (mm)	A (cm²)	G (kg/m)	W (cm³)
160	160,00	201,06	157,83	402,11
165	165,00	213,82	167,85	441,00
170	170,00	226,97	178,17	482,32
175	175,00	240,52	188,81	526,14
180	180,00	254,46	199,75	572,54
190	190,00	283,52	222,56	673,36
200	200,00	314,15	246,61	785,38
220	220,00	380,12	298,40	1.045,33
250	250,00	490,86	385,32	1.533,94

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10060.

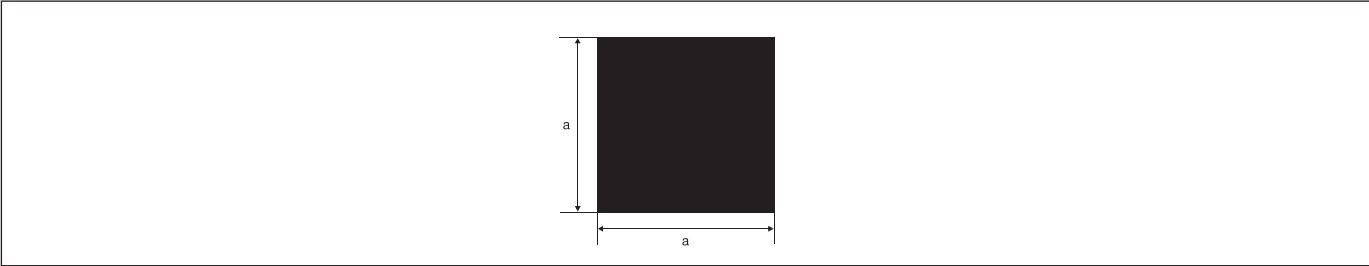
Square bars



Square bars	Dimensions	Section Area	Weight	Resistance moment
	a (mm)	A (cm²)	G (kg/m)	W (cm³)
8x8	8,00	0,64	0,50	0,09
10x10	10,00	1,00	0,79	0,17
12x12	12,00	1,44	1,13	0,29
13x13	13,00	1,69	1,33	0,37
14x14	14,00	1,96	1,54	0,46
15x15	15,00	2,25	1,77	0,56
16x16	16,00	2,56	2,01	0,68
18x18	18,00	3,24	2,54	0,97
20x20	20,00	4,00	3,14	1,33
22x22	22,00	4,84	3,80	1,77
24x24	24,00	5,76	4,52	2,30
25x25	25,00	6,25	4,91	2,60
28x28	28,00	7,84	6,15	3,66
30x30	30,00	9,00	7,07	4,50
32x32	32,00	10,24	8,04	5,46
35x35	35,00	12,25	9,62	7,15
40x40	40,00	16,00	12,56	10,67
45x45	45,00	20,25	15,90	15,19
50x50	50,00	25,00	19,63	20,83
55x55	55,00	30,25	23,75	27,73
60x60	60,00	36,00	28,26	36,00
65x65	65,00	42,25	33,17	45,77
70x70	70,00	49,00	38,47	57,17
75x75	75,00	56,25	44,16	70,31
80x80	80,00	64,00	50,24	85,33

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10059.

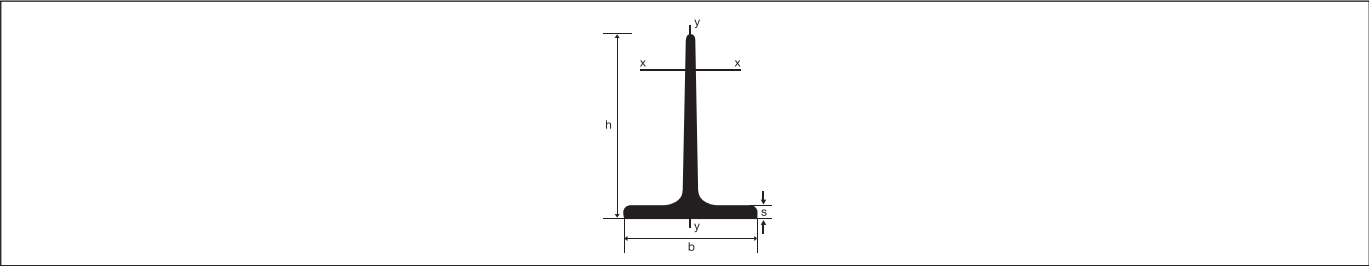
Square bars



Square bars	Dimensions	Section Area	Weight	Resistance moment
	a (mm)	A (cm²)	G (kg/m)	W (cm³)
90x90	90,00	81,00	63,59	121,50
100x100	100,00	100,00	78,50	166,67
110x110	110,00	121,00	94,99	221,83
120x120	120,00	144,00	113,04	288,00
130x130	130,00	169,00	132,67	366,17
140x140	140,00	196,00	153,86	457,33
150x150	150,00	225,00	176,63	562,50

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10059.

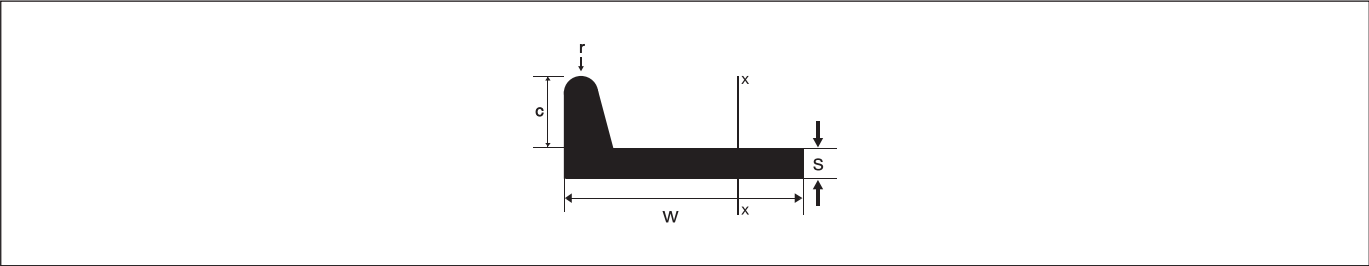
T bars



T bars	Dimensions			Section Area	Weight	Resistance moment	
	h (mm)	b (mm)	s (mm)	A (cm²)	G (kg/m)	W _x (cm³)	W _y (cm³)
30	30,00	30,00	4,00	2,26	1,77	0,80	0,58
35	35,00	35,00	4,50	2,97	2,33	1,23	0,90
40	40,00	40,00	5,00	3,77	2,96	1,84	1,29
50	50,00	50,00	6,00	5,66	4,44	3,36	2,42
60	60,00	60,00	7,00	7,94	6,23	5,48	4,07
70	70,00	70,00	8,00	10,60	8,32	8,97	6,32
80	80,00	80,00	9,00	13,60	10,70	12,80	9,25
100	100,00	100,00	11,00	20,90	16,40	24,60	17,70
120	120,00	120,00	13,00	29,60	23,20	42,00	29,70
140	140,00	140,00	15,00	39,90	31,30	64,70	47,20

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to EN 10025.
Product dimensional specifications and dimensional tolerances according to EN 10055.

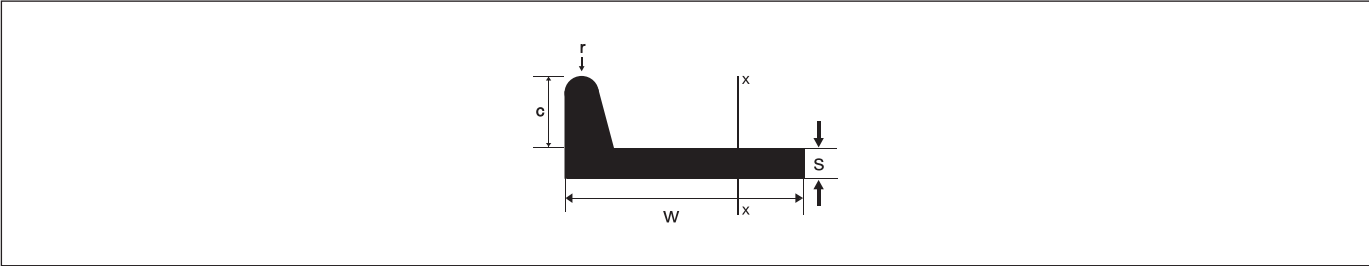
Bulbflats



Bulbflats	Dimensions				Section Area	Weight	Resistance moment
	w (mm)	s (mm)	c (mm)	r (mm)	A (cm²)	G (kg/m)	W _x (cm³)
80 x 5	80,00	5,00	14,00	4,00	5,41	4,25	6,91
80 x 6	80,00	6,00	14,00	4,00	6,21	4,88	8,10
100 x 7	100,00	7,00	15,50	4,50	8,74	6,86	14,50
100 x 8	100,00	8,00	15,50	4,50	9,74	7,65	16,30
120 x 6	120,00	6,00	17,00	5,00	9,32	7,32	18,50
120 x 7	120,00	7,00	17,00	5,00	10,52	8,26	21,00
120 x 8	120,00	8,00	17,00	5,00	11,72	9,20	23,60
140 x 7	140,00	7,00	19,00	5,50	12,43	9,75	29,00
140 x 8	140,00	8,00	19,00	5,50	13,83	10,85	32,50
140 x 10	140,00	10,00	19,00	5,50	16,63	13,05	39,50
160 x 7	160,00	7,00	22,00	6,00	14,60	11,46	38,60
160 x 8	160,00	8,00	22,00	6,00	16,20	12,72	43,30
160 x 9	160,00	9,00	22,00	6,00	17,80	13,97	47,90
160 x 11	160,00	11,00	22,00	6,00	21,00	16,49	57,00
180 x 8	180,00	8,00	25,00	7,00	18,86	14,80	55,90
180 x 9	180,00	9,00	25,00	7,00	20,66	16,22	61,80
180 x 10	180,00	10,00	25,00	7,00	22,46	17,63	67,70
180 x 11	180,00	11,00	25,00	7,00	24,26	19,04	73,50
200 x 9	200,00	9,00	28,00	8,00	23,66	18,57	77,70
200 x 10	200,00	10,00	28,00	8,00	25,66	20,14	85,10
200 x 11	200,00	11,00	28,00	8,00	27,66	21,71	92,30
200 x 12	200,00	12,00	28,00	8,00	29,66	23,28	99,50
220 x 10	220,00	10,00	31,00	9,00	29,00	22,77	105,00
220 x 11	220,00	11,00	31,00	9,00	31,20	24,50	114,00
220 x 12	220,00	12,00	31,00	9,00	33,40	26,22	122,00

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to DIN, BS, ASTM, AFNOR, LRS, ABS, DNV, GL, BV or other guidelines of Classification Societies, upon request.
Product dimensional specifications and dimensional tolerances according to EN 10067.

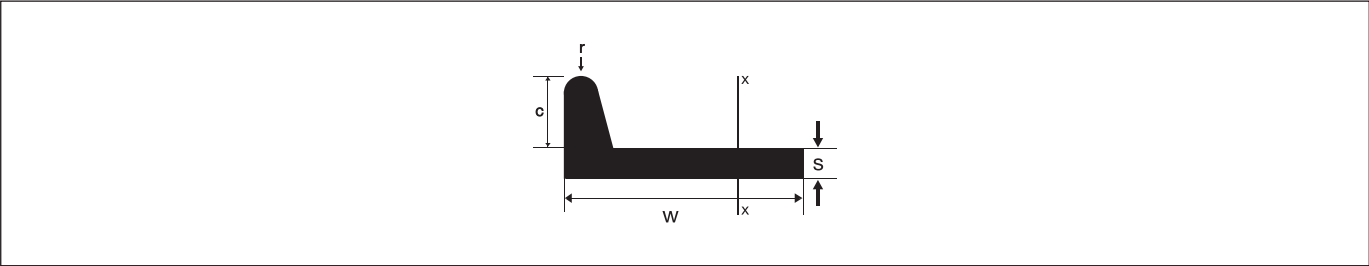
Bulbflats



Bulbflats	Dimensions				Section Area	Weight	Resistance moment
	w (mm)	s (mm)	c (mm)	r (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)
240 x 10	240,00	10,00	34,00	10,00	32,49	25,50	126,00
240 x 11	240,00	11,00	34,00	10,00	34,89	27,39	137,00
240 x 12	240,00	12,00	34,00	10,00	37,29	29,27	148,00
260 x 10	260,00	10,00	37,00	11,00	36,11	28,35	150,00
260 x 11	260,00	11,00	37,00	11,00	38,71	30,39	163,00
260 x 12	260,00	12,00	37,00	11,00	41,31	32,43	175,00
280 x 11	280,00	11,00	40,00	12,00	42,68	33,50	191,00
280 x 12	280,00	12,00	40,00	12,00	45,48	35,70	206,00
280 x 13	280,00	13,00	40,00	12,00	48,28	37,90	221,00
300 x 11	300,00	11,00	43,00	13,00	46,78	36,70	222,00
300 x 12	300,00	12,00	43,00	13,00	49,79	39,09	239,00
300 x 13	300,00	13,00	43,00	13,00	52,79	41,44	256,00
320 x 12	320,00	12,00	46,00	14,00	54,25	42,60	275,00
320 x 13	320,00	13,00	46,00	14,00	57,45	45,09	294,00
320 x 14	320,00	14,00	46,00	14,00	60,85	47,60	313,00
340 x 12	340,00	12,00	49,00	15,00	58,84	46,,2	313,00
340 x 13	340,00	13,00	49,00	15,00	62,24	48,86	335,00
340 x 14	340,00	14,00	49,00	15,00	65,54	51,50	357,00
370 x 13	370,00	13,00	53,50	16,50	69,70	54,70	402,00
370 x 14	370,00	14,00	53,50	16,50	73,40	57,60	429,00
370 x 15	370,00	15,00	53,50	16,50	77,10	60,50	456,00
400 x 14	400,00	14,00	58,00	18,00	81,48	63,96	507,00
400 x 15	400,00	15,00	58,00	18,00	85,48	67,10	538,00
400 x 16	400,00	16,00	58,00	18,00	89,48	70,20	568,00
430 x 14	430,00	14,00	62,50	19,50	89,70	70,60	594,00

Possibility of metallization and painting with water-based primer for hot rolled products.
Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to DIN, BS, ASTM, AFNOR, LRS, ABS, DNV, GL, BV or other guidelines of Classification Societies, upon request.
Product dimensional specifications and dimensional tolerances according to EN 10067.

Bulbflats



Bulbflats	Dimensions				Section Area	Weight	Resistance moment
	w (mm)	s (mm)	c (mm)	r (mm)	A (cm ²)	G (kg/m)	W _x (cm ³)
430 x 15	430,00	15,00	62,50	19,50	94,19	73,90	629,00
430 x 17	430,00	17,00	62,50	19,50	102,79	80,70	700,00
430 x 19	430,00	19,00	62,50	19,50	111,39	87,40	770,00
430 x 20	430,00	20,00	62,50	19,50	115,00	90,80	804,00

Possibility of metallization and painting with water-based primer for hot rolled products.

Ability to cut products to a shorter length and at an angle. Quality specifications of raw material according to DIN, BS, ASTM, AFNOR, LRS, ABS, DNV, GL, BV or other guidelines of Classification Societies, upon request.

Product dimensional specifications and dimensional tolerances according to EN 10067.

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October 2020

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