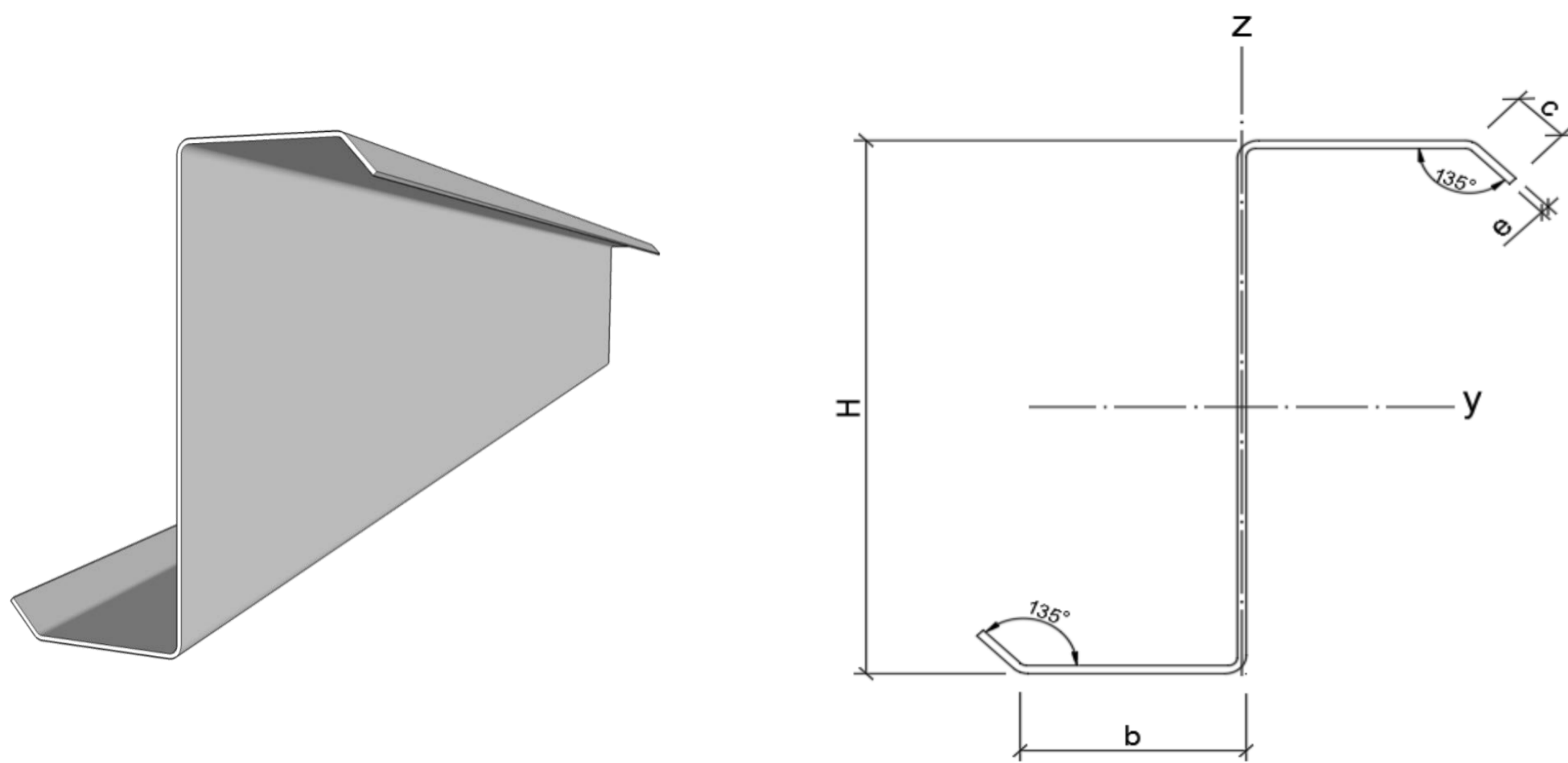


IBEROZETA PROFILE



H	Profile height
e	Profile thickness
b	Wing width
c	Tongue width
p	Profile weight per linear metre
A	Gross section of the profile
I_y	Moment of inertia of the gross section about the main axis y-y
I_z	Moment of inertia of the gross section with respect to the main axis z-z
W_z	Modulus of resistance of the raw section with respect to the z-z axis
I_t	Torsional moment of inertia of the raw section
I_w	Deformation modulus of the raw section
A_{eff}	Effective profile section under uniform compression
$I_{eff,y}$	Moment of inertia of the effective section under bending about the y-y axis
$W_{eff,y}$	Modulus of resistance of the effective section under bending about the y-y axis

BASIC MECHANICAL CHARACTERISTICS												CHARACTERISTICS OF THE EUROCODE		
Ref.	H (mm)	e (mm)	b (mm)	c (mm)	p (kg/m)	A (cm ²)	I_y (cm ⁴)	I_z (cm ⁴)	W_z (cm ³)	I_t (cm ⁴)	I_w (cm ⁶)	A_{eff} (cm ²)	$I_{eff,y}$ (cm ⁴)	$W_{eff,y}$ (cm ³)
Z150x2	150	2	75	20 ± 2	4,961	6,32	235,13	99,29	32,37	0,08	3.445	4,60	229,45	30,11
Z150x2,5	150	2,5	75	20 ± 2	6,233	7,94	293,31	123,56	39,08	0,02	4.257	6,44	288,73	38,08
Z150x3	150	3	75	20 ± 2	7,465	9,51	348,75	146,55	46,47	0,27	5.012	8,36	345,03	45,79
Z150x4	150	4	75	20 ± 2	9,970	12,70	458,91	191,87	61,15	0,65	6.464	12,43	457,69	61,01
Z175x2	175	2	75	20 ± 2	5,338	6,80	334,62	99,29	38,21	0,08	4.875	4,59	326,08	36,63
Z175x2,5	175	2,5	75	20 ± 2	6,704	8,54	417,92	123,56	47,72	0,17	6.029	6,48	410,63	46,38
Z175x3	175	3	75	20 ± 2	8,038	10,24	497,51	146,55	56,81	0,29	7.106	8,47	491,71	55,76
Z175x4	175	4	75	20 ± 2	10,747	13,69	656,27	191,87	74,94	0,70	9.188	12,86	654,04	74,59
Z200x2	200	2	75	20 ± 2	5,715	7,28	455,35	99,29	45,49	0,09	6.582	4,58	443,02	43,52
Z200x2,5	200	2,5	75	20 ± 2	7,183	9,15	569,24	123,56	56,87	0,18	8.148	6,50	558,47	55,16
Z200x3	200	3	75	20 ± 2	8,611	10,97	678,29	146,55	67,77	0,31	9.613	8,54	669,41	66,38
Z200x4	200	4	75	20 ± 2	11,516	14,67	896,45	191,87	89,56	0,76	13.842	13,10	892,19	85,50
Z225x2	225	2	75	20 ± 2	6,092	7,76	598,85	99,29	53,18	0,09	8.574	4,56	581,86	50,80
Z225x2,5	225	2,5	75	20 ± 2	7,662	9,76	749,18	123,56	66,53	0,19	11.116	6,50	734,08	64,43
Z225x3	225	3	75	20 ± 2	9,185	11,70	893,39	146,55	79,34	0,33	13.418	8,58	880,60	77,58
Z225x4	225	4	75	20 ± 2	12,301	15,67	1.182,52	191,87	105,14	0,81	18.001	13,29	1.175,50	104,11
Z250x2	250	2	75	20 ± 2	6,468	8,24	766,59	99,29	61,34	0,10	11.755	4,54	733,39	58,45
Z250x2,5	250	2,5	75	20 ± 2	8,140	10,37	959,64	123,56	76,79	0,20	14.090	6,50	939,29	74,17
Z250x3	250	3	75	20 ± 2	9,765	12,44	1.145,06	146,55	91,63	0,35	17.009	8,61	1.127,50	89,36
Z250x4	250	4	75	20 ± 2	13,078	16,66	1.517,56	191,87	121,43	0,86	22.823	13,42	1.507,00	120,05
Z275x2	275	2	75	20 ± 2	6,845	8,72	960,08	99,29	69,84	0,11	13.831	4,52	901,82	64,75
Z275x2,5	275	2,5	75	20 ± 2	8,619	10,98	1.202,49	123,56	87,47	0,21	17.449	6,50	1.175,97	81,37
Z275x3	275	3	75	20 ± 2	10,338	13,17	1.435,36	146,55	104,40	0,37	21.067	8,63	1.412,33	101,73
Z275x4	275	4	75	20 ± 2	13,847	17,64	1.904,66	191,87	138,55	0,91	28.270	13,53	1.889,69	132,10
Z300x2	300	2	75	20 ± 2	7,214	9,19	1.180,13	99,29	78,65	0,11	16.800	4,50	1.090,36	70,66
Z300x2,5	300	2,5	75	20 ± 2	9,090	11,58	1.479,65	123,56	98,66	0,23	21.196	6,49	1.435,76	95,08
Z300x3	300	3	75	20 ± 2	10,912	13,90	1.767,29	146,55	117,85	0,39	25.590	8,63	1.736,19	114,69
Z300x4	300	4	75	20 ± 2	14,625	18,63	2.346,88	191,87	156,49	0,96	34.346	13,61	2.326,59	154,33
Z325x2	325	2	75	20 ± 2	7,591	9,67	1.430,32	99,29	87,84	0,12	19.458	4,48	1.299,03	76,60
Z325x2,5	325	2,5	75	20 ± 2	9,569	12,19	1.792,99	123,56	110,36	0,24	24.556	6,47	1.711,09	104,47
Z325x3	325	3	75	20 ± 2	11,485	14,63	2.142,41	146,55	131,87	0,42	29.643	8,54	2.104,69	128,23
Z325x4	325	4	75	20 ± 2	15,394	19,61	2.847,31	191,87	175,25	1,01	39.790	13,67	2.820,30	172,67
Z350x2	350	2	75	20 ± 2	7,976	10,16	1.710,06	99,29	97,74	0,12	23.669	4,46	1.528,19	82,57
Z350x2,5	350	2,5	75	20 ± 2	10,040	12,79	2.144,41	123,56	122,56	0,25	29.864	6,46	2.011,49	112,30
Z350x3	350	3	75	20 ± 2	12,058	15,36	2.563,23	146,56	146,50	0,44	36.058	8,64	2.516,71	142,36
Z350x4	350	4	75	20 ± 2	16,171	20,60	3.409,02	191,87	194,83	1,07	48.403	13,72	3.375,13	191,80

* Limit of elasticity used 250 N/mm²

(mm ²) x10 ²	(mm ⁴) x10 ⁴	(mm ³) x10 ³	(mm ⁶) x10 ⁶	(mm ²) x10 ²	(mm ⁴) x10 ⁴	(mm ³) x10 ³
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Qualities: Until S350GD

Diameter of tools:

Circulars: ø5,5mm, ø11mm, ø13mm, ø14mm, ø17mm, ø18mm
Colisos: 10x30mm, 14x18mm, 120x13mm

Possibility of manufacturing steel profiles with a zero carbon footprint

Calculation of properties according to the European standard Eurocode-3 Part 1-3 EN 1993-1-3 "Design of steel structures. Supplementary rules for cold formed thin gauge members and sheeting" (2006)