

"SIGMA" SECTION PURLINS



SPECIFICATIONS :

Nominal Size	Dim. "A"	Dim. "B"	Dim. "C" 25 Max	MATERIAL THICKNESS													
				1.50	1.70	1.90	2.00	2.25	2.65	3.00	3.35	3.75	4.00				
400 * 90	400	90	25														
360 * 90	360	90	25														
300 * 80	300	80	25														
260 * 80	260	80	20														
200 * 65	200	65	20														
170 * 60	170	60	20														

Dim. "D" = 48 Min. to 100 Max.

Dim. "E" = 70 Min. to 200 Max.

Dim in mm.

Material: Galvanized/Black iron

Preprinted steel Grade 350 Mpa

Blank Width are based on 2.5 mm thickness.

Dim "C" varies with blank width and Material thickness.

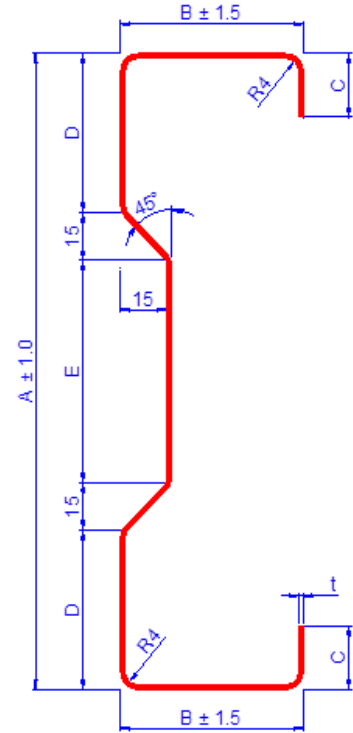
Tolerances:

BOW 1 mm per meter

CAMBER 1 mm per meter

TWIST 1 mm per meter

FLARE ± 3 mm within 200 mm of each end



ALEXFORM

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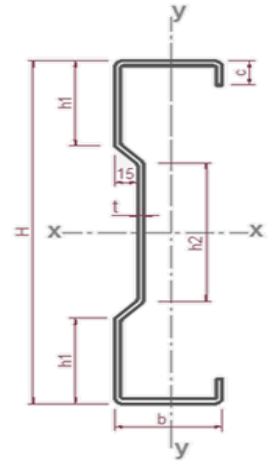
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SIGMA Profile



This standard profile range helps the designer to choose the optimal profile. As a result, we are able to maintain short delivery times on the scale of each building project.

Section										Section properties						
Section Type	Section Name	H (mm)	h1 (mm)	h2 (mm)	b (mm)	C (mm)	t (mm)	G (kg/m)	steel Grade	A (cm ²)	I _x (cm ⁴)	Z _x (cm ³)	I _y (cm ⁴)	Z _y (cm ³)	r _x (cm)	r _y (cm)
Σ 400	Σ 400*4	400	55	260	90	25	4	19.32	St.37 St.52 St.44	22.10	5327.18	266.36	163.54	59.01	15.53	2.72
	Σ 400*3						3	14.61		15.47	4039.57	201.98	126.54	44.43	16.16	2.86
	Σ 400*2.5						2.5	12.22		12.38	3374.90	168.75	106.90	36.87	16.51	2.94
	Σ 400*2						2	9.81		9.95	2722.39	136.12	87.39	30.19	16.54	2.96
Σ 360	Σ 360*4	360	55	220	90	25	4	18.07	St.37 St.52 St.44	21.84	4128.31	229.35	163.23	58.63	13.75	2.73
	Σ 360*3.5						3.5	15.88		18.88	3643.25	202.40	145.65	52.09	13.89	2.78
	Σ 360*3						3	13.67		15.36	3143.74	174.65	126.39	44.25	14.30	2.87
	Σ 360*2.5						2.5	11.44		12.32	2634.31	146.35	106.81	36.77	14.62	2.94
	Σ 360*2						2	9.19		9.27	2056.34	114.24	86.07	29.34	14.90	3.05
Σ 300	Σ 300*4	300	55	160	90	25	4	16.18	St.37 St.52 St.44	20.62	2660.95	177.40	161.69	56.77	11.36	2.80
	Σ 300*3.5						3.5	14.23		18.10	2351.07	156.74	144.61	50.84	11.40	2.83
	Σ 300*3						3	12.25		15.10	2034.69	135.65	126.01	43.80	11.61	2.89
	Σ 300*2.5						2.5	10.26		12.18	1711.17	114.08	106.58	36.51	11.85	2.96
	Σ 300*2						2	8.24		9.20	1339.99	89.33	85.95	29.21	12.07	3.06
Σ 250	Σ 250*4	250	55	110	80	25	4	13.99	St.37 St.52 St.44	17.82	1601.71	128.14	116.62	44.16	9.48	2.56
	Σ 250*3.5						3.5	12.31		15.68	1417.36	113.39	104.54	39.67	9.51	2.58
	Σ 250*3						3	10.60		13.51	1228.56	98.29	91.79	34.90	9.54	2.61
	Σ 250*2.5						2.5	8.88		11.32	1035.28	82.82	78.35	29.84	9.56	2.63
	Σ 250*2						2	7.15		8.86	837.44	66.99	63.93	24.14	9.72	2.69
Σ 200	Σ 200*4	200	55	110	80	25	4	12.42	St.37 St.52 St.44	15.82	940.44	94.04	114.60	41.53	7.71	2.69
	Σ 200*3.5						3.5	10.93		13.93	833.44	83.34	102.71	37.26	7.74	2.72
	Σ 200*3						3	9.43		12.01	723.50	72.35	90.16	32.75	7.76	2.74
	Σ 200*2.5						2.5	7.90		10.07	610.58	61.06	76.93	27.98	7.79	2.76
	Σ 200*2						2	6.36		8.10	494.64	49.46	63.01	22.95	7.81	2.79

Material : Galvanized / Black iron
Prepainted steel Grade 350 Mpa

For effective cross section properties.