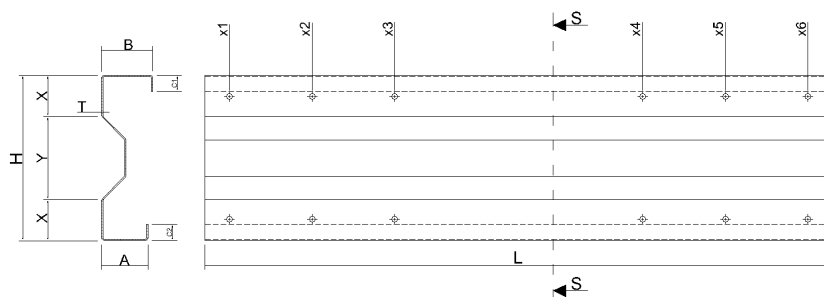
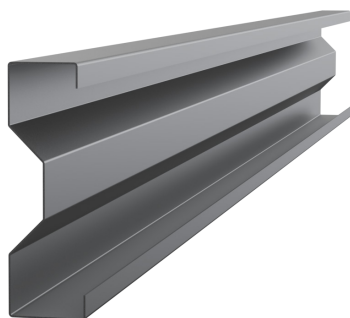




Galvanized SIGMA(Σ) profiles are used for main or secondary structures, beams and intermediate floors of all types of buildings: industrial or residential, commercial, agricultural, halls or warehouses. All galvanized profiles are custom-made, with the possibility of a variety of perforations.



The values in sections are expressed in mm

Sigma (Σ) profiles - technical characteristics

Material	Galvanized steel
Available thickness (mm)	1.5 - 3
Steel class	S 350 GD
Minimum zinc coverage (g/m ²)	275
Weight (kg/m ²)	12 - 24
Minimum length* (mm)	2000
Maximum length - recommended (mm)	13500

*Profiles with lengths below 2000 mm should be included in other orders, then cut to length.

-  **High load-bearing capacity**
-  **Lightweight**
-  **Extended lifespan**
-  **Easy fitting**
-  **Sustainable**

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 200x56x62/1.5	1.5	200	56	62	20	20	4.464
Sigma 200x57x63/2	2	200	57	63	20	20	5.936
Sigma 200x57x65/2.5	2.5	200	57	65	20	20	7.380
Sigma 200x58x66/3	3	200	58	66	20	20	8.832

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _t (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 200x56x62/1.5	540.2	101.59	98.37	3035314	205958	29878	5111	384	74.96	19.53
Sigma 200x57x63/2	724.3	101.61	98.35	4052789	278831	39884	6815	927	74.80	19.62
Sigma 200x57x65/2.5	907.9	102.12	97.84	5064170	354151	49589	8331	1831	74.69	19.75
Sigma 200x58x66/3	1091.0	102.14	97.82	6064736	429534	59376	9959	3186	74.56	19.84

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 200x56x62/1.5	473.9	100.23	99.73	2804364	190973.1325	27267	4669	73.73	19.00
Sigma 200x57x63/2	684.5	101.03	98.93	3932707	271503.2986	38739	6606	74.39	19.43
Sigma 200x57x65/2.5	873.4	101.49	98.47	5006214	354476.7279	49280	8339	74.53	19.76
Sigma 200x58x66/3	1063.1	101.57	98.39	6064413	430192.6228	59387	9975	74.56	19.86

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 250x56x62/1.5	1.5	250	56	62	20	20	5.064
Sigma 250x57x63/2	2	250	57	63	20	20	6.736
Sigma 250x57x65/2.5	2.5	250	57	65	20	20	8.380
Sigma 250x58x66/3	3	250	58	66	20	20	10.032

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _t (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 250x56x62/1.5	613.2	126.76	123.20	5134683	233525	40507	5458	436	91.51	19.51
Sigma 250x57x63/2	822.3	126.76	123.20	6866933	316568	54174	7291	1053	91.38	19.62
Sigma 250x57x65/2.5	1030.9	127.34	122.62	8583327	402219	67403	8929	2079	91.25	19.75
Sigma 250x58x66/3	1239.0	127.34	122.62	10288302	488791	80792	10701	3619	91.12	19.86

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 250x56x62/1.5	468.5	125.35	124.61	4634452	210153.8698	35526	4816	89.72	18.77
Sigma 250x57x63/2	727.7	126.17	123.79	6620527	304802.3257	52124	6977	90.69	19.35
Sigma 250x57x65/2.5	980.7	126.61	123.35	8405421	398644.6928	66334	8836	90.86	19.69
Sigma 250x58x66/3	1203.7	126.69	123.27	10212759	489635.1486	80535	10719	90.99	19.88

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 300x62x70/1.5	1.5	300	62	70	25	25	5.952
Sigma 300x62x70/2	2	300	62	70	25	25	7.888
Sigma 300x62x70/2.5	2.5	300	62	70	25	25	9.780
Sigma 300x62x70/3	3	300	62	70	25	25	11.664

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _t (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 300x62x70/1.5	721.2	152.39	147.57	8734309	331232	57314	7024	512	110.05	21.43
Sigma 300x62x70/2	963.4	152.41	147.55	11602406	433821	76129	9219	1234	109.74	21.22
Sigma 300x62x70/2.5	1203.1	152.42	147.54	14407932	531247	94530	11314	2427	109.43	21.01
Sigma 300x62x70/3	1440.3	152.42	147.54	17151069	623727	112524	13313	4206	109.12	20.81

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 300x62x70/1.5	484.0	149.36	150.60	7609274	283217.0208	47887	5833	106.90	20.22
Sigma 300x62x70/2	791.1	151.25	148.71	11118200	414341.0374	73291	8737	108.75	20.86
Sigma 300x62x70/2.5	1086.5	151.75	148.21	14127142	524645.7211	93080	11148	108.99	20.92
Sigma 300x62x70/3	1369.3	151.80	148.16	17074755	625510.4931	112292	13351	109.02	20.84

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 350x67x75/1.5	1.5	400	67	75	30	30	6.792
Sigma 350x67x75/2	2	400	67	75	30	30	9.008
Sigma 350x67x75/2.5	2.5	400	67	75	30	30	11.180
Sigma 350x67x75/2.5	3	400	67	75	30	30	13.344

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _t (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 350x67x75/1.5	823.4	177.45	172.51	13405035	461001	75541	8854	585	127.59	23.66
Sigma 350x67x75/2	1100.6	177.46	172.50	17830337	604996	100474	11641	1409	127.28	23.45
Sigma 350x67x75/2.5	1375.3	177.47	172.49	22169141	747819	124918	14415	2774	126.96	23.32
Sigma 350x67x75/2.5	1647.5	177.48	172.48	26423291	879657	148881	16989	4812	126.64	23.11

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 350x67x75/1.5	482.0	174.30	175.66	10995750	365200.7629	57386	6721	122.67	21.66
Sigma 350x67x75/2	815.3	175.63	174.33	16640756	568430.2187	92728	10826	125.73	22.90
Sigma 350x67x75/2.5	1157.6	176.89	173.07	21722737	725709.0589	122860	13941	126.42	23.04
Sigma 350x67x75/2.5	1507.4	176.89	173.07	26289558	873424.4985	148542	16868	126.51	23.03

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 400x72x80/2	2	400	72	80	35	35	10.128
Sigma 400x72x80/2.5	2.5	400	72	80	35	35	12.580
Sigma 400x72x80/3	3	400	72	80	35	35	15.024

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _y (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 400x72x80/2	1237.8	202.50	197.46	26138292	761080	129079	13977	1585	145.32	24.80
Sigma 400x72x80/2.5	1547.5	202.51	197.45	32534952	934658	160661	17197	3122	145.00	24.58
Sigma 400x72x80/3	1854.7	202.37	197.59	38822182	1100273	191837	20283	5417	144.68	24.36

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 400x72x80/2	829.3	200.33	199.63	23998706	692605.1525	115914	12529	142.93	23.91
Sigma 400x72x80/2.5	1201.3	202.05	197.91	31831023	901981.5007	157649	16521	144.33	24.23
Sigma 400x72x80/3	1573.1	202.05	197.91	38563345	1090383.591	191114	20090	144.48	24.26

Dimensions and sectional features

Product name	Thickness "T" (mm)	H (mm)	A (mm)	B (mm)	C ₁ (mm)	C ₂ (mm)	Load (kg/ml)
Sigma 450x72x80/2	2	450	72	80	35	35	10.928
Sigma 450x72x80/2.5	2.5	450	72	80	35	35	13.580
Sigma 450x72x80/3	3	450	72	80	35	35	16.224

Minimum geometrical characteristics of the raw section

Product name	A (mm ²)	Z _{g,1} (mm)	Z _{g,2} (mm)	I _y (mm ⁴)	I _z (mm ⁴)	W _y (mm ³)	W _z (mm ³)	I _y (mm ⁴)	i _y (mm)	i _z (mm)
Sigma 450x72x80/2	1335.8	227.61	222.35	34780874	805865	152809	14325	1711	161.36	24.56
Sigma 450x72x80/2.5	1670.5	227.62	222.34	43314296	991201	190296	17654	3370	161.03	24.36
Sigma 450x72x80/3	2002.7	227.62	222.34	51711940	1168828	227183	20857	5849	160.69	24.16

Minimum geometric features of the effective cross section

Product name	A _{eff} (mm ²)	Z _{g,1,eff} (mm)	Z _{g,2,eff} (mm)	I _{y,eff,min} (mm ⁴)	I _{z,eff,min} (mm ⁴)	W _{y,eff,min} (mm ³)	W _{z,eff,min} (mm ³)	i _{y,min} (mm)	i _{z,min} (mm)
Sigma 450x72x80/2	815.9	225.41	224.55	30915251	729592.2254	130245	12750	158.03	23.66
Sigma 450x72x80/2.5	1192.9	227.28	222.68	41509213	960794.541	180281	17024	159.93	24.08
Sigma 450x72x80/3	1582.8	227.25	222.71	51120067	1163318.293	225201	20733	160.29	24.13