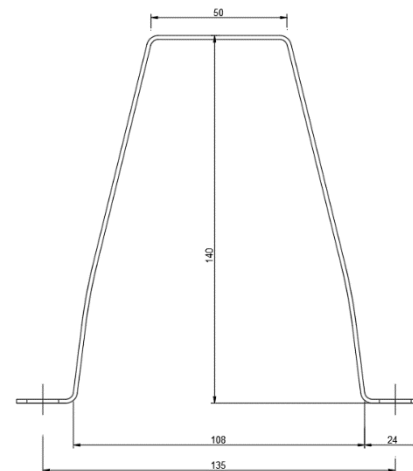


Omega 140 – Mother of support

GALVANIZED PROFILE



1029
21
1029 - CPR - PT20/07229
EN 1090-1



Base material

Structural Steel S220GD - S320GD (EN10346)
Other coatings on request

Type of protection

Structural Steel Z100 - Z275 (EN10346)
Other coatings on request

Drilling

Hole Ø12x14mm - Screw M10

Thickness

1.5; 2 e 2.5 mm

Geometric tolerances

EN1090-4 and EN 10162

Reaction to fire

Class A1

Manufacturing

According to customer specifications/drawings

TABLE OF GEOMETRIC PROPERTIES

PERFILE	Dimensions						Área cm ²	Weigh t kg/m	Center of gravity		Inertia			Radius of gyration		Sturdy module		Painting area	Drilling	Screw
	e	H	b	b ₁	d ₁	c			YG	ZG	IY	IZ	IT	i _y	i _z	w _y	w _z	Unit Surface		
	mm								mm		cm ⁴			cm		cm ³		m ² /m		
Ω 140	1.5	140	50	108	135	24	5.67	4.45	78	70.4	137.2	112.2	0.04	4.92	4.45	19.72	14.38	0.759	135	M10
	2						7.56	5.93		70.2	182.2	150.8	0.09	4.91	4.47	26.11	19.33	0.760		
	2.5						9.45	7.42		70.1	226.6	190.0	0.18	4.90	4.48	32.41	24.35	0.761		

Note: The properties shown in the table refer to the raw section. The effects of the material's geometric non-linearity and imperfect execution are not taken into account.