

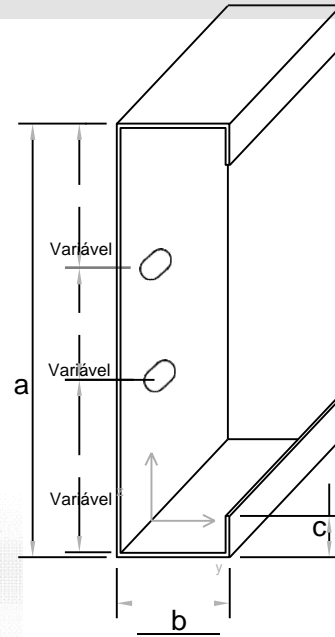
Profile C - Madre de apoio

GALVANIZED PROFILE



1029
20

1029 - CPR - PT20/07229
EN 1090-1



Base material:

Structural Steel S220GD -
S320GD(EN10346)
Other steel grades on request

Type of protection:

Galvanized Z100 - Z275 (EN10346)
Other steel grades on request

Thickness: 1.5; 2.0 e 2.5 mm

Oval drilling:

Ø 14x25mm ou Ø 14x20mm. Variable
drilling position on request.
Minimum between holes: 40 mm.

Standard drilling:

Distance to tips: 25 mm in section a.
Distance between holes: 70 mm
centered in section a.

Dimensional tolerances:

EN 1090-4 e EN 10162

Reaction to fire:

Class A1

Manufacturing:

EN 1090-4 – EXC2
(According to customer
specifications/drawings)

LEGEND:

CG - Center of gravity
AT - Cross-sectional area
IY - Inertia of the section around the y-axis
IZ - Inertia of the section around the z-axis
IT - Torsional inertia
AP - Painting area
- Unit surface

PERFILE	Dimensions				CG		AT	WEIGHT	Inertia			Radius of gyration		Resistant module		AP
	e	a	b	c	YG	ZG			I _{yy}	I _{zz}	I _t	r _y	r _z	w _y	w _z	
	mm								cm ²	kg/m	cm ⁴			cm		
C120	1.5	120	58	17	19.6	60	3.75	2.94	89.6	18.3	0.03	4.89	2.21	14.94	4.77	0.503
	2			18	19.8		5.00	3.93	117.9	24.2	0.06	4.86	2.20	19.64	6.34	0.504
	2.5			19	20.1		6.25	4.91	145.3	30.0	0.12	4.82	2.19	24.22	7.93	0.505
C140	1.5	140	45	16	14.4	70	3.75	2.94	113.8	12.5	0.03	5.51	1.82	16.26	3.50	0.503
	2			17	14.6		5.00	3.93	150.0	16.5	0.06	5.48	1.82	21.43	4.66	0.504
	2.5			18	14.9		6.25	4.91	185.3	20.5	0.12	5.45	1.81	26.47	5.83	0.505
C170	1.5	170	55	17	15.4	85	4.50	3.53	195.0	18.1	0.03	6.58	2.00	22.94	4.57	0.603
	2			18	15.7		6.00	4.71	257.5	23.9	0.07	6.55	2.00	30.29	6.09	0.604
	2.5			19	16.0		7.50	5.89	318.7	29.7	0.14	6.52	1.99	37.49	7.61	0.605
C200	1.5	200	55	17	14.1	100	4.95	3.89	286.6	19.0	0.04	7.61	1.96	28.66	4.64	0.663
	2			18	14.4		6.60	5.18	379.0	25.1	0.08	7.58	1.95	37.90	6.18	0.664
	2.5			19	14.6		8.25	6.48	469.9	31.2	0.16	7.55	1.94	46.99	7.71	0.665
C220	1.5	220	65	18	16.9	110	5.63	4.42	398.4	29.9	0.04	8.42	2.31	36.21	6.22	0.753
	2			19	17.1		7.50	5.89	527.4	39.7	0.09	8.39	2.30	47.94	8.28	0.754
	2.5			20	17.4		9.38	7.36	654.4	49.3	0.18	8.35	2.29	59.49	10.36	0.755
C240	1.5	240	55	18	12.9	120	5.63	4.42	447.1	20.4	0.04	8.92	1.91	37.26	4.85	0.753
	2			19	13.1		7.50	5.89	592.1	27.1	0.09	8.88	1.90	49.34	6.46	0.754
	2.5			20	13.4		9.38	7.36	735.0	33.6	0.18	8.85	1.89	61.25	8.07	0.755
C270	1.5	270	63	18	13.0	135	6.23	4.89	614.7	23.7	0.04	9.94	1.95	45.53	5.63	0.833
	2			19	13.3		8.30	6.52	814.4	31.3	0.10	9.91	1.94	60.33	7.50	0.834
	2.5			20	13.5		10.38	8.14	1011.5	38.8	0.20	9.87	1.93	74.93	9.34	0.835
C300	1.5	300	90	16	21.3	150	7.50	5.89	994.7	70.0	0.05	11.52	3.06	66.31	10.20	1.003
	2			17	21.7		10.00	7.85	1321.4	92.6	0.13	11.50	3.04	88.10	13.55	1.004
	2.5			18	21.9		12.50	9.81	1641.6	115.8	0.24	11.46	3.04	109.44	17.01	1.005