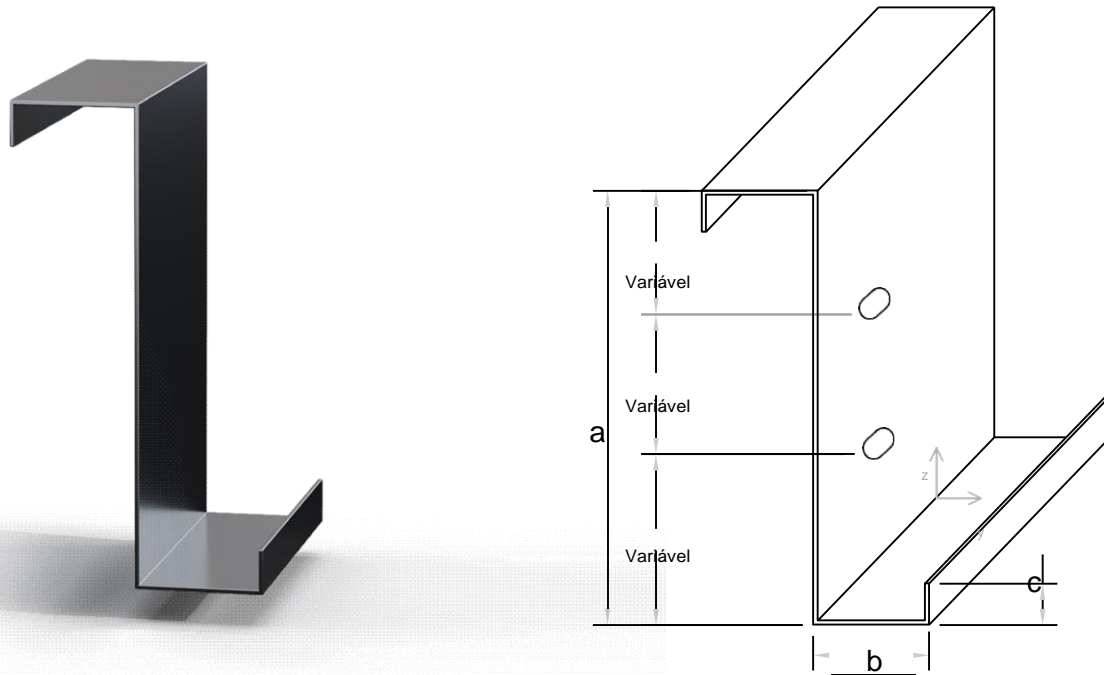


Perfil Z - Mother of support

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 coatings on request

Thickness: 1.5; 2.0 e 2.5 mm

Oval drilling:

Ø 14x25mm ou Ø 14x20mm. Variable
drilling position on request.

Drilling standard:

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 - Section inertia around the axis y
IZ - Section inertia around the axis z
IT - Torsional inertia
AP - Painting area
SU - 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	i _y	i _z	w _y	w _z		SU
Z120	1.5	120	58	17	57.3	60	3.75	2.94	89.6	30.3	0.03	4.89	2.84	14.94	5.29	0.503	
	2			18	57.0		5.00	3.93	117.9	41.7	0.06	4.86	2.89	19.64	7.31	0.504	
	2.5			19	56.8		6.25	4.91	145.3	49.7	0.12	4.82	2.82	24.22	8.76	0.505	
Z140	1.5	140	50	14	49.3	70	3.75	2.94	113.8	18.3	0.03	5.51	2.21	16.26	3.72	0.503	
	2			15	49.0		5.00	3.93	150.0	25.4	0.06	5.48	2.25	21.43	5.18	0.504	
	2.5			16	48.8		6.25	4.91	185.3	30.1	0.12	5.45	2.19	26.47	6.16	0.505	
Z170	1.5	170	55	17	54.3	85	4.50	3.53	195.0	26.3	0.03	6.58	2.42	22.94	4.85	0.603	
	2			18	54.0		6.00	4.71	257.5	36.2	0.07	6.55	2.46	30.29	6.70	0.604	
	2.5			19	53.8		7.50	5.89	318.7	43.1	0.14	6.52	2.40	37.49	8.02	0.605	
Z200	1.5	200	55	17	54.3	100	4.95	3.89	286.6	26.3	0.04	7.61	2.31	28.66	4.85	0.663	
	2			18	54.0		6.60	5.18	379.0	36.2	0.08	7.58	2.34	37.90	6.70	0.664	
	2.5			19	53.8		8.25	6.48	469.9	43.1	0.16	7.55	2.29	46.99	8.02	0.665	
Z220	1.5	220	65	18	64.3	110	5.63	4.42	398.4	42.3	0.04	8.42	2.74	36.21	6.59	0.753	
	2			19	64.0		7.50	5.89	527.4	58.1	0.09	8.39	2.78	47.94	9.07	0.754	
	2.5			20	63.8		9.38	7.36	654.4	69.7	0.18	8.35	2.73	59.49	10.93	0.755	
Z240	1.5	240	55	18	54.3	120	5.63	4.42	447.1	27.2	0.04	8.92	2.20	37.26	5.00	0.753	
	2			19	54.0		7.50	5.89	592.1	37.3	0.09	8.88	2.23	49.34	6.91	0.754	
	2.5			20	53.8		9.38	7.36	735.0	44.5	0.18	8.85	2.18	61.25	8.27	0.755	
Z270	1.5	270	63	18	54.3	135	6.23	4.89	614.7	31.4	0.04	9.94	2.24	45.53	5.78	0.833	
	2			19	54.0		8.30	6.52	814.4	43.0	0.10	9.91	2.27	60.33	7.95	0.834	
	2.5			20	53.8		10.38	8.14	1011.5	53.7	0.20	9.87	2.28	74.93	9.99	0.835	
Z300	1.5	300	90	16	59.3	150	7.50	5.89	994.7	99.7	0.05	11.52	3.65	66.31	11.17	1.003	
	2			17	89.0		10.00	7.85	1321.4	136.1	0.13	11.50	3.69	88.10	15.29	1.004	
	2.5			18	88.8		12.50	9.81	1641.6	161.2	0.24	11.46	3.59	109.44	18.16	1.005	