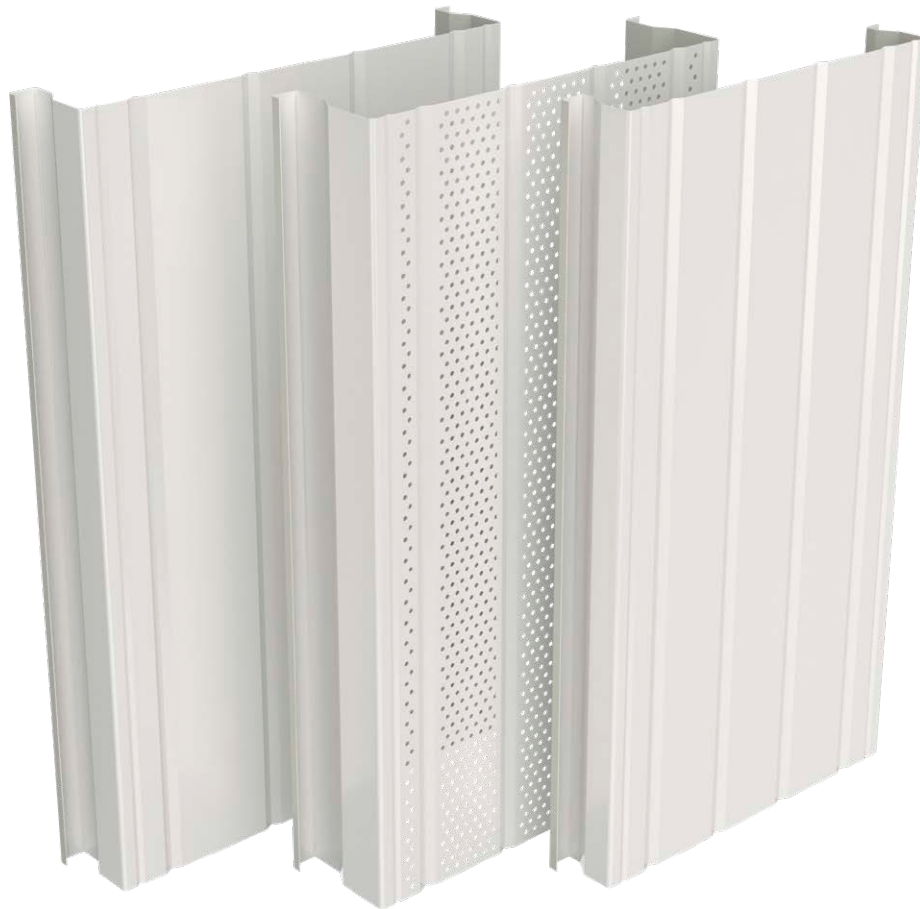


PLATEAU[®]

DATASHEET

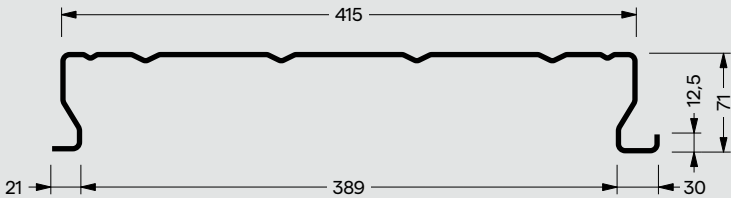


PLATEAU[®] 415

361metal



SECTION GEOMETRY



GROSS SECTION PROPERTIES

SECTION	WEIGHT	HEIGHT	WIDTH	THICKNESS		GROSS SECTION PROPERTIES										
				Nomi.	Effect.											
		h	b	t _{nom}	t _{eff}											
	Kg/m	mm	mm	mm	mm	A _{gross}	I _{y, gross}	I _{z, gross}	W _{y, gross}	W _{z, gross}	I _w	I _t	Y _{cg}	Y _{cc}	Z _{cg}	Z _{cc}
Plateau® 415×0,60	2,98	70	440	0,60	0,56	355	21,2	829,6	3845	37178	6114	37	223	236	53	93
Plateau® 415×0,70	3,48	70	440	0,70	0,66	418	25,0	977,8	4528	43817	7206	61	223	236	53	93
Plateau® 415×0,75	3,73	70	440	0,75	0,71	450	26,9	1051,8	4869	47137	7752	76	223	236	53	93
Plateau® 415×1,00	4,97	70	440	1,00	0,96	608	36,4	1422,2	6569	63735	10481	187	223	236	49	93
Plateau® 415×1,20	5,97	70	440	1,20	1,16	735	44,0	1718,5	7924	77013	12665	330	223	236	53	93

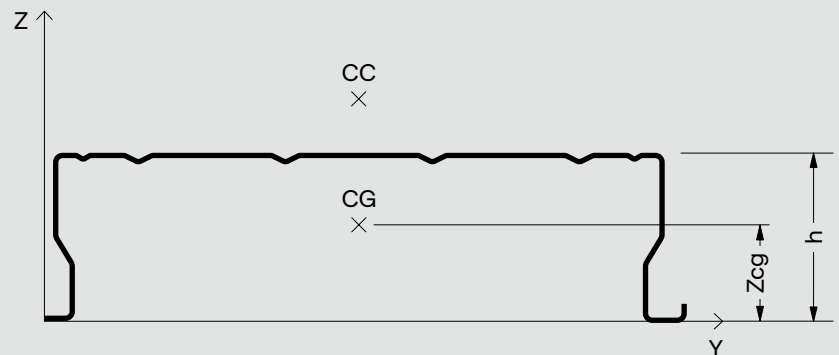
Note: the weights indicated in the tables are estimated theoretical weights based on the nominal dimensions of the cross-section, and variations may occur within the tolerances provided for in the EN 10051 standard.

EFFECTIVE SECTION PROPERTIES

S320 GD																							
SECTION	COMPRESSION			Y-AXIS POSITIVE FLEXION					Y-AXIS VEGATIVA FLEXION					Z-AXIS POSITIVE FLEXION					Z-AXIS VEGATIVA FLEXION				
	A _{eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{y,eff}	W _{y,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{y,eff}	W _{y,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{z,eff}	W _{z,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{z,eff}	W _{z,eff}	Y _{cg,eff}	Z _{cg,eff}
	mm ²	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm
Plateau® 415×0,60	151	227	44	184	14,3	3187	229	40	337	15,9	2650	221	56	266	628,1	24390	183	52	261	607,4	22861	267	51
Plateau® 415×0,70	196	227	44	227	17,6	3816	230	41	400	19,7	3277	221	56	323	781,5	31062	189	52	318	757,8	29183	260	51
Plateau® 415×0,75	219	228	45	248	19,2	4126	229	42	432	21,6	3602	222	56	352	859,6	34509	192	56	347	833,7	32420	258	51
Plateau® 415×1,00	342	228	45	360	27,6	5684	229	43	593	31,9	5317	223	55	498	1249,4	51942	201	51	495	1214,1	48915	249	51
Plateau® 415×1,20	442	227	46	456	34,5	6969	228	45	721	39,9	6709	222	54	615	1548,6	65316	205	52	611	1515,5	62049	245	52

Subtitle

- A_{gross} Gross cross-sectional area
- I_{y, gross} Inertia of the gross section yy-axis
- I_{z, gross} Inertia of the gross section zz-axis
- I_w Warp constant
- I_t Torsion inertia
- CG Centre of gravity coordinates
- CC Cutting centre coordinates
- A_{eff} Effective section area
- I_{y, eff} Inertia of the effective section yy-axis
- W_{y, eff} Flexural modulus of the effective section yy-axis
- I_{z, eff} Inertia of the effective section zz-axis
- W_{z, eff} Flexural modulus of the effective section zz-axis



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