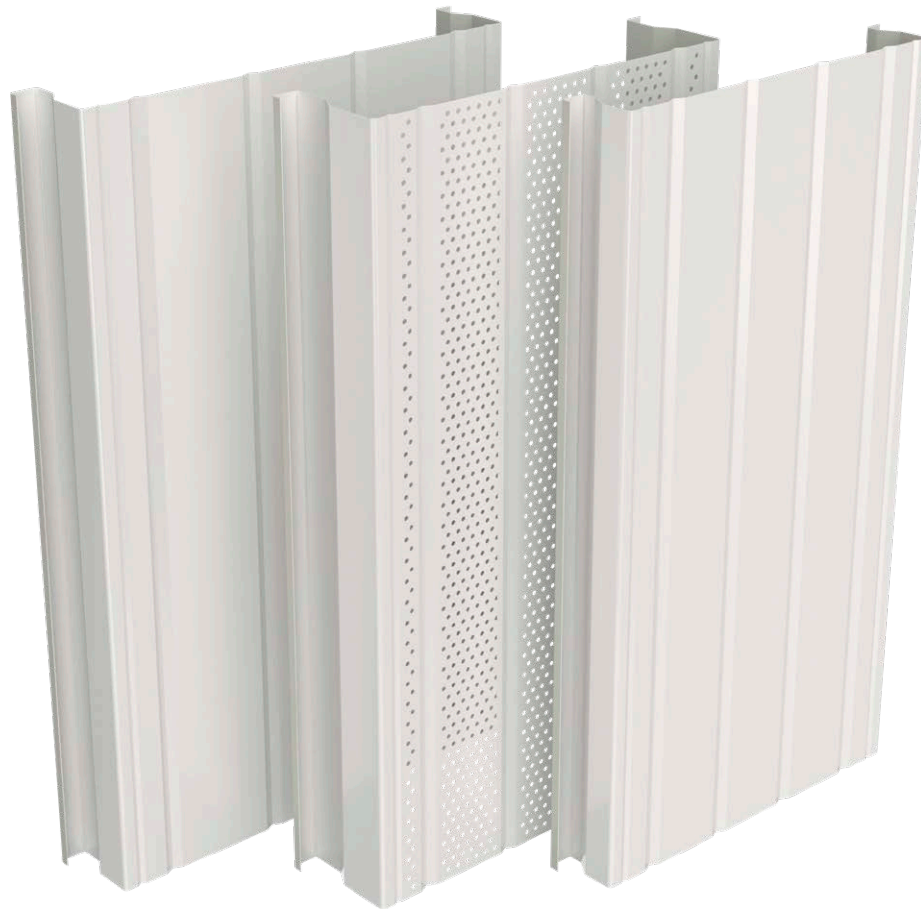


PLATEAU[®]

DATASHEET

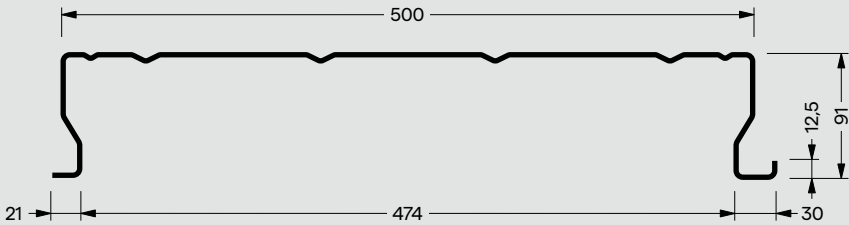


PLATEAU[®] 500

361metal



SECTION GEOMETRY



GROSS SECTION PROPERTIES

SECTION	WEIGHT	HEIGHT	WIDTH	THICKNESS		GROSS SECTION PROPERTIES										
				Nomi.	Effect.											
		h	b	t _{nom}	t _{eff}	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}
	Kg/m	mm	mm	mm	mm	mm ²	×10 ⁴ mm ⁴	×10 ⁴ mm ⁴	mm ³	mm ³	×10 ⁶ mm ⁶	mm ⁴	mm	mm	mm	mm
Plateau® 500×0,60	3,57	90	525	0,60	0,56	425	40,1	1441,1	5583	54254	17150	44	266	282	70	120
Plateau® 500×0,70	4,17	90	525	0,70	0,66	501	47,2	1698,4	6575	63943	20212	73	266	282	70	120
Plateau® 500×0,75	4,47	90	525	0,75	0,71	539	50,8	1827,1	7071	68787	21743	91	266	282	70	120
Plateau® 500×1,00	5,96	90	525	1,00	0,96	728	68,7	2470,5	9545	93008	29399	224	266	282	70	120
Plateau® 500×1,20	7,15	90	525	1,20	1,16	880	83,0	2985,1	11518	112380	35524	395	266	282	70	120

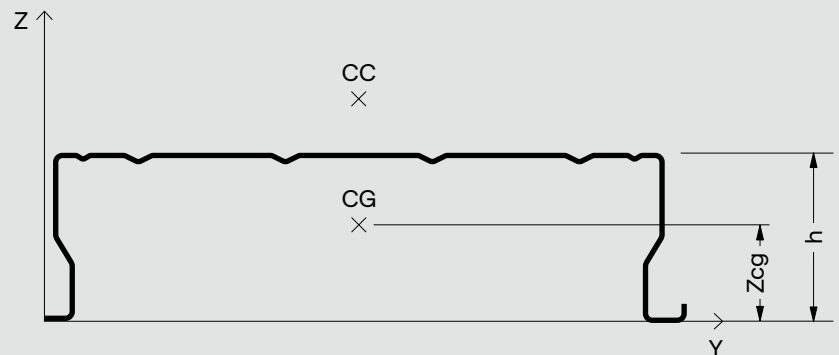
Note: the weights indicated in the tables are estimated theoretical weights based on the nominal dimensions of the cross-section, and variations may occur within the tolerances provided for in the EN 10051 standard.

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® 500×0,60	154	271	56	195	24,7	4478	271	50	402	29,8	3836	265	74	302	1061,0	31860	208	68	299	982,8	30071	328	67
Plateau® 500×0,70	203	271	55	245	30,5	5359	270	51	482	37,9	4931	264	73	369	1278,8	41157	216	67	364	1239,6	38870	319	66
Plateau® 500×0,75	228	271	55	269	33,4	5819	272	52	520	41,5	5399	264	73	403	1412,3	45966	219	67	397	1370,1	43417	316	66
Plateau® 500×1,00	356	271	56	389	48,1	8067	272	54	712	60,5	7882	265	72	574	2067,1	69789	230	67	565	2004,1	65763	305	66
Plateau® 500×1,20	466	270	57	490	60,3	9865	272	56	865	75,6	9904	265	71	711	2592,0	89157	236	67	706	2534,4	85034	298	66

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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