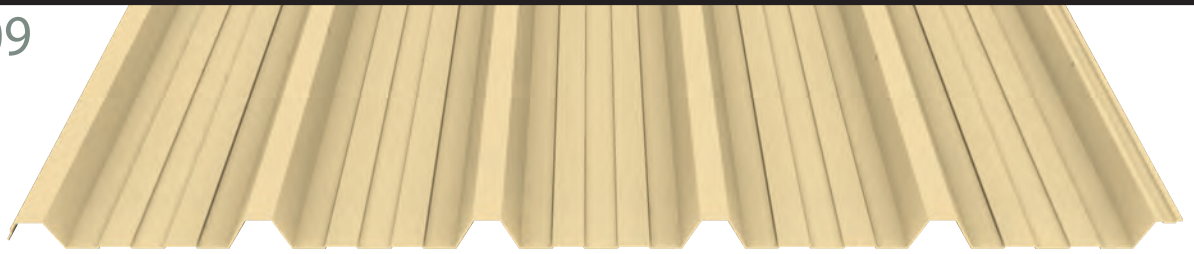


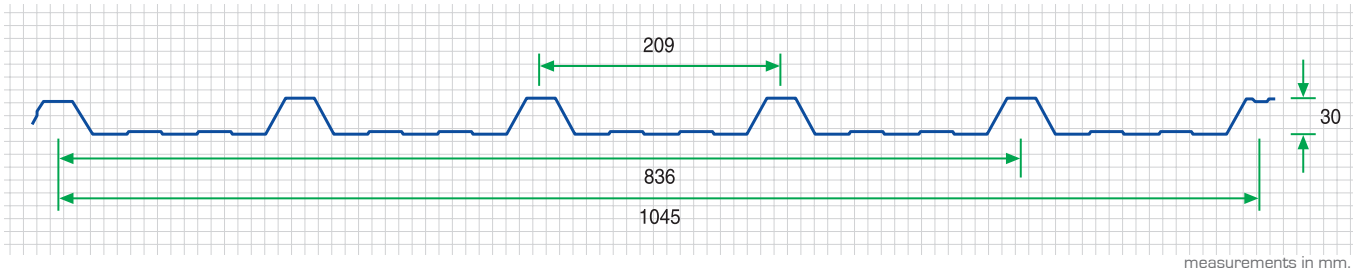
# MG 30/209

## Trapezoidal Profile

Standard Profiles



### PROFILE



### OVERLAP DETAIL



### APPLICATIONS

This is one of the most commonly used profiles for all types of metallic building coverings due to its mechanical strength and its non-deformable longitudinal overlaps, which ensure its watertightness. It is ideal for use in roofing, facades, industrial false roofs, and site protection fencing. It is notable for its ease of installation, lightness and attractive appearance in both horizontal and vertical mountings.

### TECHNICAL FEATURES

The MG-30/209 profile has a ridge height of 30 mm, a distance between troughs (ridge width) of 209mm and two usable widths: 836 mm and 1,045 mm. These profiles are manufactured to order in various lengths and in thicknesses that range from 0.5 mm to 0.8 mm.

### FINISHES

These profiles come in various finishes: galvanized, prepainted (silicone polyester), and on request in: aluzinc, aluminium, stainless steel, copper and with a perforated finish.

### TECHNICAL DATA

THICKNESS (mm)	WEIGHT (Kg/m <sup>2</sup> )	MOMENT OF INERTIA I'x (cm <sup>4</sup> )	POSITION A		POSITION B	
			RESISTIVE MOMENT Wx (cm <sup>3</sup> )	MAXIMUM MOMENT m.Kg	RESISTIVE MOMENT Wx (cm <sup>3</sup> )	MAXIMUM MOMENT m.Kg
0.5	4.78	6.241	2.778	36.62	2.555	34.64
0.6	5.74	7.657	3.415	45.92	3.145	42.69
0.8	7.65	10.270	4.556	63.67	4.345	59.22

### LOAD LIMITS IN USE

LOADS ARE CALCULATED BASED ON THE FOLLOWING FACTORS:

- Loads are uniformly spread (kg/m<sup>2</sup>)
- Elastic Limit equal to or greater than 1,400 kg/cm<sup>2</sup>
- Maximum flexion limit of Length/200

POSITION A						POSITION B					
Distance between supports (metres)					THICKNESS (mm)	Distance between supports (metres)					
2,00	1,75	1,50	1,25	1,00		1,00	1,25	1,50	1,75	2,00	
	105	156	227	357	0.5	332	207	141	95		
83	127	201	292	460	0.6	435	272	186	117	81	
113	172	271	394	620	0.8	595	374	256	162	109	

#### 1 SPAN

POSITION A					THICKNESS (mm)	POSITION B				
Distance between supports (metres)						Distance between supports (metres)				
2,00	1,75	1,50	1,25	1,00	1,00	1,25	1,50	1,75	2,00	
	104	143	208	328	0.5	303	185	130	92	
97	128	177	257	405	0.6	370	225	155	110	85
136	180	247	360	566	0.8	525	220	223	162	123

#### 2 SPANS

POSITION A					THICKNESS (mm)	POSITION B				
Distance between supports (metres)						Distance between supports (metres)				
2,00	1,75	1,50	1,25	1,00	1,00	1,25	1,50	1,75	2,00	
99	131	180	261	411	0.5	398	255	174	127	93
123	162	222	323	508	0.6	496	318	218	159	119
172	227	311	451	709	0.8	707	445	308	223	168

#### 3 SPANS