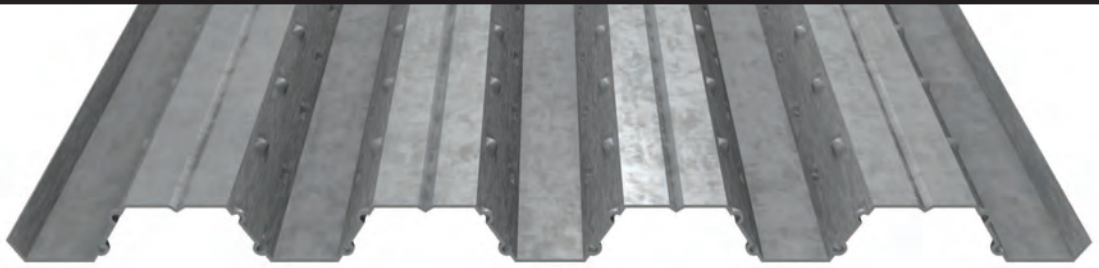


# MG 60/220

Profiles for slabs



The construction industry evolves and pursues two aims: space-saving and time-saving. These can be achieved by the use of products with the highest technical and physical performance, which are also fast to install and offer guaranteed solutions.

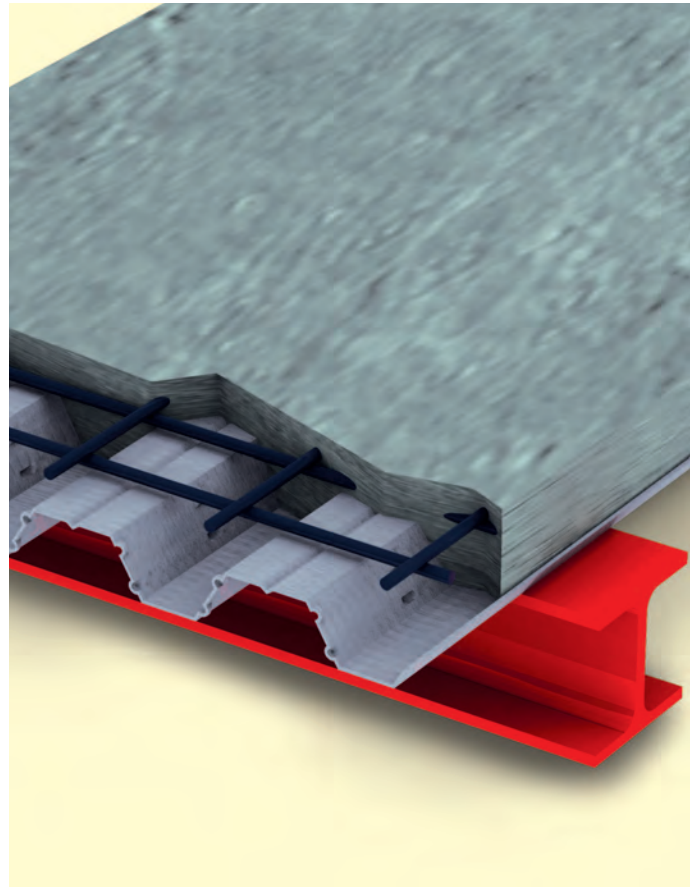
At Magón Metal Profiles, S.A., we supply profiles such as the MG-60/220, purpose-designed for the construction of slabs in all types of buildings, with enormous advantages compared to conventional slabs.

Its unique design ensures high strength, allowing it to act as the formwork support for concrete pouring. The profile has a series of indentations which optimise adherence between the concrete and the steel, so that the combination works together with improved performance.

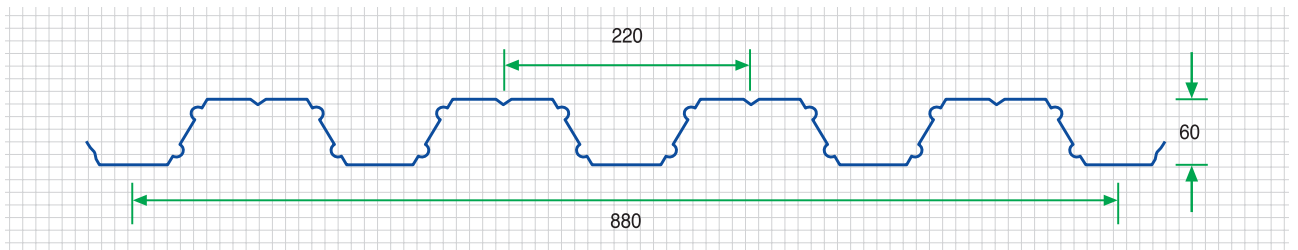
Since additional support elements are not required while the concrete sets, this means that on-site movement between floors is much easier. The build-up system is suitable for all types of constructions; housing, warehouses, business premises and public works projects.

Its advantages include: no need for wooden formwork, easier piping runs, reduced slab depth and reinforcements, and it is simple and fast to set up.

The MG-60/220 profile is made from galvanised steel conforming to the UNE-ENE 10143 standard. We can supply all the necessary accessories for its installation; perimeter trims, supports for upper and lower reinforcing mesh, connectors and fasteners.



## PROFILE



measurements in mm.

## DETAILS OF OVERLAP CONNECTORS



## PROFILE FEATURES

- THICKNESSES: 0.6 – 1.2 mm.
- LENGTHS: To order, up to 12 m
- COATING: Galvanised Z 275 (UNE 36130 EN 10143)

THICKNESS (mm)	WEIGHT (Kg/m <sup>2</sup> )	MOMENT OF INERTIA I (cm <sup>4</sup> )	MODULE STRENGTH W (cm <sup>3</sup> )
0.6	6.82	46.98	15.15
0.8	9.09	62.64	20.14
1.0	11.36	78.30	25.09
1.2	13.63	93.97	30.02

\* For further information about the styles of supporting accessories please visit our web page.

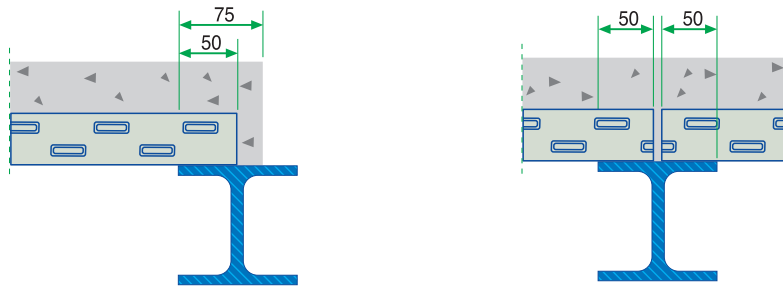
## SLAB TECHNICAL CHARACTERISTICS

ELEMENT	QUALITY	MECHANICAL PROPERTIES	
		Re (N/mm <sup>2</sup> )	Rm (N/mm <sup>2</sup> )
SHEET METAL	DX 51D + Z275 NA C	305	345
STEEL REINFORCEMENT	B 500 S	500	550
CONCRETE	HA-250	250	330

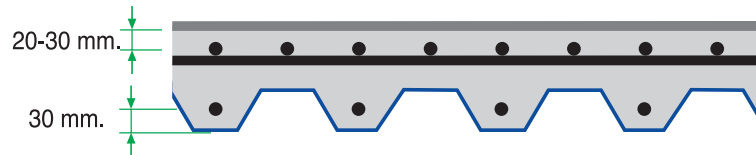
Thickness (mm)	WEIGHT OF THE SLAB (Kg/m <sup>2</sup> )				
	DEPTH (cm)				
	12	14	16	18	20
0.6	214	261	309	357	405
0.8	216	263	311	359	407
1.0	218	266	314	362	410
1.2	220	268	316	364	412

## RECOMMENDATIONS FOR USE

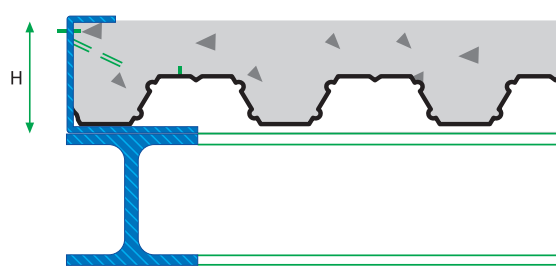
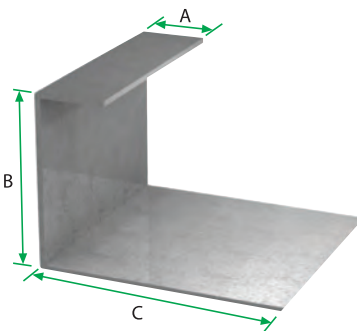
The supporting structure should be made of metal, concrete or masonry work. The support sections in that structure must comply with a number of requirements set out in the Eurocode. The total support area of the slab on a metal girder must be at least 75 mm, whilst for a profile it is a minimum of 50 mm. Should the slab support be of another material (concrete or masonry work) then the minimum support area is increased to 100 mm for slabs and 70 mm for profiles.



According to the Eurocode, there are specified minimum distances which the reinforcing rods and mesh must comply with. This must be at least 30 mm for the lower reinforcing layer as measured from the base of the slab, and between 20 and 30 mm for the upper reinforcing layer as measured from the top surface of the slab.



## SIDE END BRACKET



## DIRECTION CHANGE BRACKET

