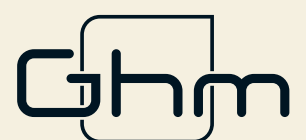




# Poles

for copper and optical aerial network





## GHM, metallurgical know-how



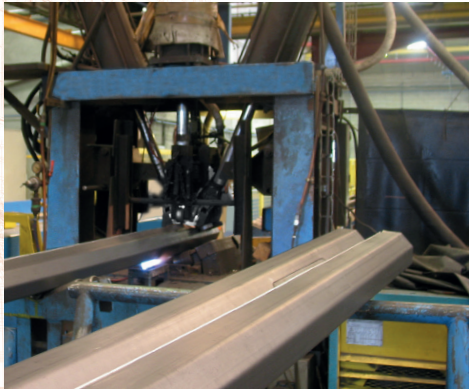
The GHM-ECLATEC group currently employs almost 650 people in France.

Located in the Champagne region of France, the GHM plants work cast iron, aluminium, bronze and steel. They also machine, assemble and finish its products. 450 people currently work on the site.

### Its products are mainly aimed at:

- ◆ Equipment for local authorities: public lighting lamp posts, masts and luminaires, urban furnishings, tram line support posts.
- ◆ A wide range of professional users, for various purposes (line posts, metal work, etc.).
- ◆ Manufacturing industries: foundry subcontracting for all types of cast iron, aluminium or bronze parts.

### Resources



- ◆ Design and methods office
- ◆ Calculation and simulation resources
- ◆ "Quality" system (several certifications)
- ◆ ISO 9001 version 2015 certified:



- ◆ Foundry techniques:
  - hand moulded sand
  - semi mechanised sand
  - mechanised sand
  - shell (aluminium)

- ◆ Heavy and medium boiler work
- ◆ All mechanical welding resources
- ◆ Robotised die-stamping, cutting and welding line
- ◆ Machining and assembly
- ◆ Powder coating and liquid paint lines

### GHM product line



Lighting and urban furnitures



Telecommunications



Tram - O.C.L. supports (Overhead Contact Lines)



Large space posts

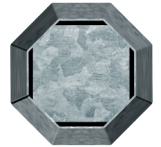
## LINE AND OPTICAL FIBRE SUPPORTS

Hot dipped galvanised octagonal section steel post as per NF EN 60068-2-11.

- ◆ Its price usually follows the variations of steel and zinc prices. A price review takes these variations into consideration.
- ◆ Corrosion and external aggressions resistant (ultraviolets, shocks, natural phenomena, fires) and recommended in fire zones.
- ◆ Easily blends into all types of environment (urban, semi-urban, rural).
- ◆ Built-in location and position of the fixing systems (miscellaneous fixings, cross parts, etc.).
- ◆ Not dangerous to the surrounding fauna: protection of cavernicolous fauna using a closure system.
- ◆ Lightweight and easy to handle, it is easier to install. Weight from 45 to 75 Kg.
- ◆ Recognized lifetime.
- ◆ Fully recyclable.

Name	Height	BASE diameter	TOP diameter	At 150 mm from the head	Unit weight
Standard metal line post	7 metres	144 mm	100 mm	144 daN	46 Kg
Reinforced metal post	8 metres	174 mm	100 mm	175 daN	56 Kg
Reinforced metal post	7 metres	225 mm	100 mm	400 daN	64 Kg
Reinforced metal post	8 metres	242 mm	100 mm	400 daN	75 Kg

Top view



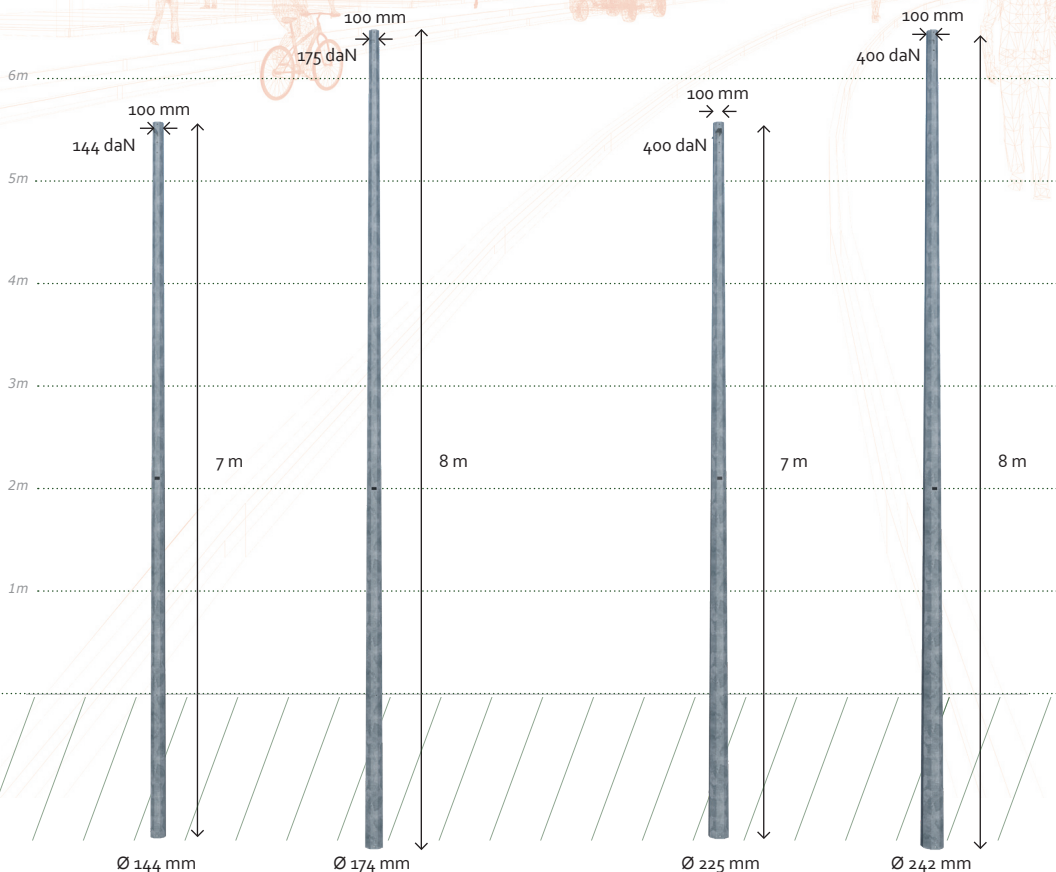
Cross passage



Standard marking  
Possibility of customising on request.

Standard line

Reinforced line



Direct embedding in the ground.  
Can be used in all types of environment: soil, concrete, asphalt, paved, etc.



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