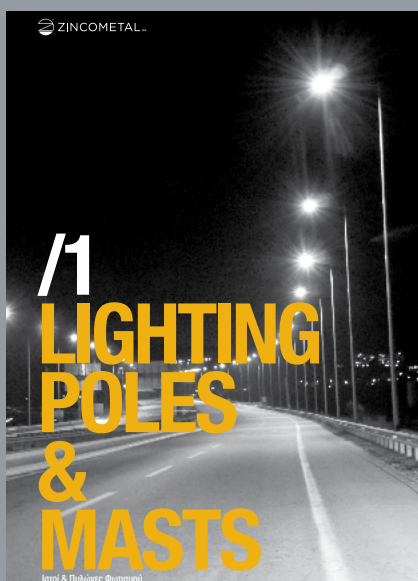


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PRODUCT NO:

DESCRIPTION:

IMAGE

mid-hinged poles



ZINCOMETAL S.A. is constantly developing and improving its products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. Regarding the validity of the International Standards it is considered always the oldest edition.

Stay tuned with the company by signing up in ZINCOMETAL's Newsletter ([www.zincometal.gr](http://www.zincometal.gr)) and Social Media.

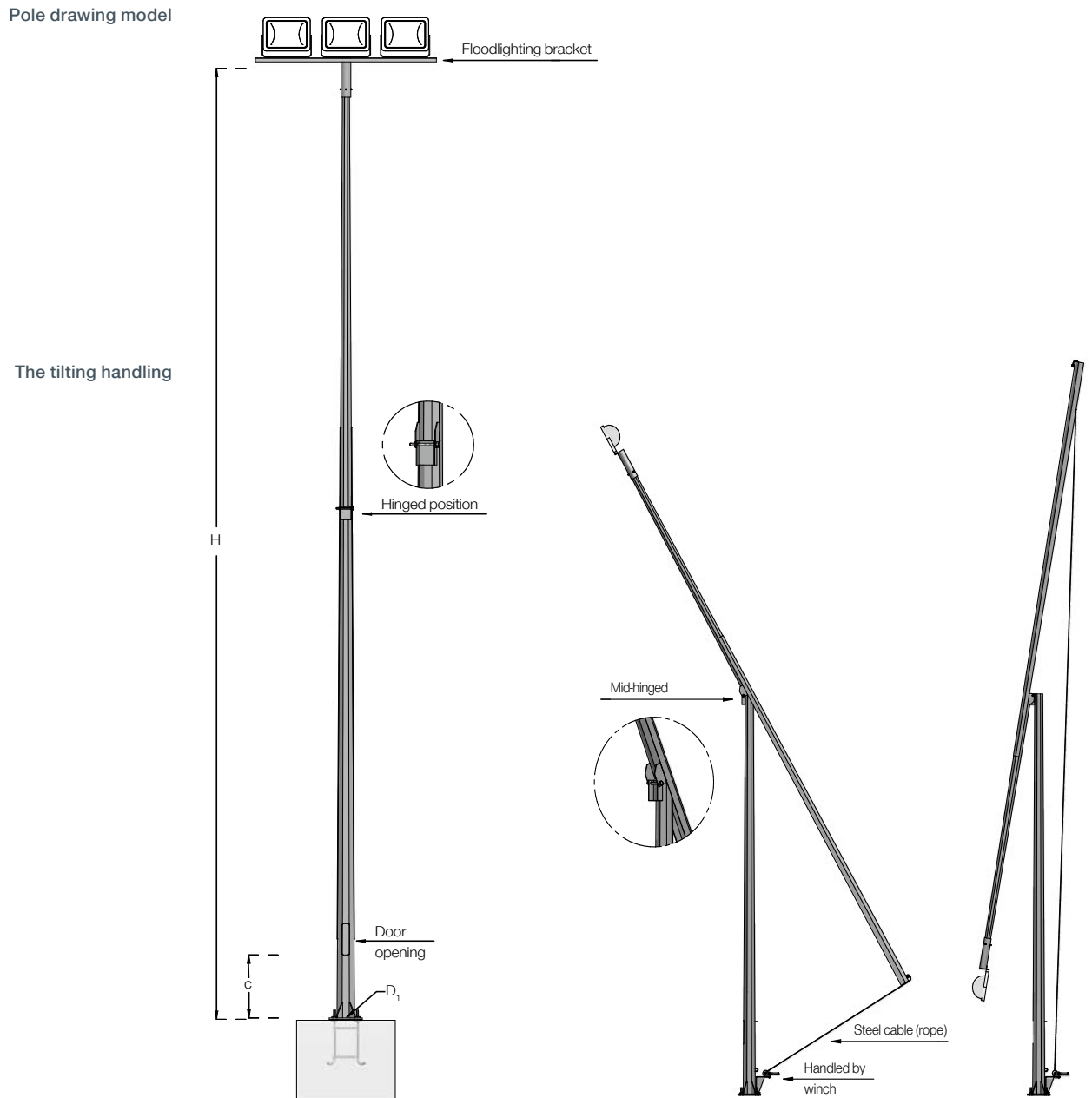
## 1.2.2. Hinged Pole and Masts

### Mid-hinged poles

#### Image 1

Mid-hinged poles with  
floodlighting brackets and  
ZINLUX floodlights.





**Material** Hot rolled steel grade S235JR according to EN 10025.

**Surface protection** Hot-dip galvanized according to International Standard EN ISO 1461.

**Manufacturing** The pole is composed from two (2) parts: the solid base anchored to the ground (the fixed part) and an articulated arm with tilting at mid height (the movable part).

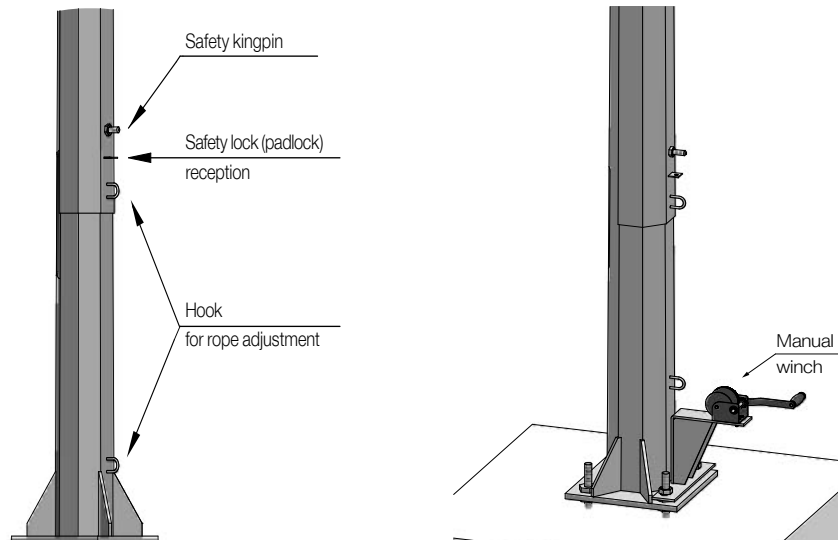
The fixed part:

- is a piece of conical pole of octagonal cross-section with base plate and triangular gussets
- has a hook for the steel cable adjustment
- has a hinge and safety kingpin and
- has a special safety lock reception

The movable part is composed from two (2) parts: the upper body, which is conical of octagonal cross-section, and the “cap” body which is an open polygon with five (5) sides with a hook for the steel cable adjustment. The poles are designed and manufactured according to EN 40.

#### Hinged pole mechanisms

Two types of handling mechanisms are available and make the product really versatile and fit for various needs: rope pulley block and mechanical or electrical winch.



#### Benefits

- Fast installation.
- Easy access for maintenance – no health and safety risks.
- Practical easy maintenance which can be carried out at ground level.
- Ideal for areas where lifting devices cannot access.

#### Attached information

Headload capacity tables for sports and area lighting poles and masts (see Appendix B).

#### Note

The technical data tables have been calculated based on a specific load and wind speed for each product. In case of new customer requirements new calculations must be done!

The calculations have been done for ZINLUX floodlight 400W with wind surface 0.21m<sup>2</sup> and ZINLUX floodlight 1000W-2000W with wind surface 0.30m<sup>2</sup>.

## Table of Hinged Poles and Masts

## Mid-hinged poles

									Anchor base		
Code	mm	mm	mm	mm	mm	sided	mm	kg	Code	mm	mm
AKM 600T	6000	3	136	65	310x310x10	8	300x65	70	BAG M16/50/Z/235	4xM16x500	235x235
AKM 601T		4						80			
AKM 700T	7000	4	146	65	310x310x10	8	300x75	88	BAG M20/60/Z/235	4xM20x600	235x235
AKM 701T			165	90	400x400x12			128	BAG M24/75/Z/280	4xM24x750	280x280
AKM 800T	7800	4	156	65	400x400x12	8	300x75	143	BAG M24/75/Z/280	4xM24x750	280x280
AKM 801T			175	90				164			
AKM 900T	8800	4	166	65	400x400x15	8	300x75	165	BAG M24/75/Z/280	4xM24x750	280x280
AKM 901T			180	90			300x80	207			
AKM 1000T	9800	4	176	65	400x400x15	8	300x80	193	BAG M24/75/Z/280	4xM24x750	280x280
AKM 1001T			200	90			300x85	220			
AKM 1200T	11800	4	196	65	400x400x20	8	300x85	235	BAG M24/75/Z/280	4xM24x750	280x280
AKM 1201T			230	90				295	BAG M27/100/Z/280	4xM27x1000	
AKM 1400T	14000	4	260	90	400x400x20	8	300x100	390	BAG M27/100/Z/280	4xM27x1000	280x280
AKM 1401T			300	108	500x500x20	12	300x140	515	BAG M27/100/Z/400/8	8xM27x1000	400x400
AKM 1500T	15000	4	300	90	500x500x20	8	300x120	570	BAG M27/100/Z/400/8	8xM27x1000	400x400
AKM 1501T			350	108	600x600x20	12	300x160	665	BAG M27/100/Z/500/8		500x500
AKM 1600T	16000	4	300	90	500x500x20	8	300x120	625	BAG M27/100/Z/400/8	8xM27x1000	400x400
AKM 1601T			350	108	600x600x20	12	300x160	730	BAG M27/100/Z/500/8		500x500

## Hinged Poles and Masts

## Mid-hinged Poles

Table  
Hinged Poles and Masts  
Mid-hinged Poles

Code	Zone I (36m/sec=129.6km/h)						Zone II (30m/sec=108km/h)					
	Floodlights (400W-0.21m <sup>2</sup> )			Floodlights (1000W, 2000W-0.30m <sup>2</sup> )			Floodlights (400W-0.21m <sup>2</sup> )			Floodlights (1000W, 2000W-0.30m <sup>2</sup> )		
	2	3	4	2	3	4	2	3	4	2	3	4
AKM800T	v	-	-	-	-	-	v	v	v	v	v	-
AKM801T	v	v	-	v	v	-	v	v	v	v	v	v
AKM900T	v	-	-	-	-	-	v	v	v	v	v	-
AKM901T	v	v	-	v	-	-	v	v	v	v	v	v
AKM1000T	v	-	-	-	-	-	v	v	v	v	v	-
AKM1001T	v	v	-	v	-	-	v	v	v	v	v	v
AKM1200T	-	-	-	-	-	-	v	v	-	v	-	-
AKM1201T	v	v	-	v	-	-	v	v	v	v	v	v
AKM1400T	v	-	-	v	-	-	v	v	v	v	v	v
AKM1401T	v	v	-	v	-	-	v	v	v	v	v	v
AKM1500T	v	v	-	v	-	-	v	v	v	v	v	v
AKM1501T	v	v	v	v	v	-	v	v	v	v	v	v
AKM1600T	v	-	-	-	-	-	v	v	v	v	v	v
AKM1601T	v	v	v	v	v	-	v	v	v	v	v	v

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