



SHEET METAL BENT PYRAMIDAL POLES

Clamped passage lighting pole (OSVP type)
Flanged passage lighting pole (OSPP type)

Basic Information

These types of sheet metal bent pyramidal poles are designed primarily for fixing lighting fixtures for illuminating passages. Their positioning in relation to the passage is governed by the lighting fixtures manufacturer and by the project documentation approved.

For the optimum position of the lighting fixture, a range of extenders with various lengths can be used

With respect to the traffic safety, the sheet metal bent pyramidal poles are designed so that they can be easily deformed while being crashed by a vehicle to save both the vehicle and the driver.

As compared to similar cylindrical poles, the pyramidal poles' mass is 30% less while the strength and load-bearing capacity of both types are comparable, and, consequently, the cost for transportation and installation is significantly reduced.

Technical Description

The clamped lighting poles are designed for clamping and fixing into a prescribed case foundation. The flanged poles are fixed with screws onto a pre-prepared foundation. Both types are manufactured by bending steel sheet 4 mm thick, S 235 JCR+N material class. Hot zinc dipping with the minimum coat thickness of 80µm is the standard finish. In the height of 1,000 m above the clamping foundation, the poles are equipped with a lockable door behind which there are fixing elements for electric equipment; from the pole's exterior at 100 mm above the clamping foundation, there is an M 10 nut fixed for connecting the grounding wire. Openings for cable throughput are made on the clamped section. The overview of all the extenders for these pole types is presented in the "CPLP and FPLP Passage Lighting Poles Extenders".

The passage poles with their respective extender are designed for fixing a lighting fixture with the maximum mass of 30 kg with the aerodynamic resistance coefficient of 0.5 sq. m.

The manufacturer guarantees the service life of 20 years for the hot zinc dipped poles and the pole extenders.

Basic Technical Data

Sheet Metal Bent Pyramidal Pole – Clamped Passage Lighting Pole (OSVP)							
Type	H (mm)	E (mm)	Ø D (mm)	Ø d (mm)	S (mm)	Mass*	T (kN)
OSVP 080-40 (OSV 080-43 bottom section)	5,700	1,000	176	85	4	82	1.1
OSVP 100-40 (OSV 100-43 bottom section)	5,500	1,200	206	115	4	95	1.6
OSVP 120-40 (OSV 120-43 bottom section)	5,500	1,200	230	139	4	115	2.4

H Pole utility height
E Clamping depth
Ø D Pole foot diameter (circumscribed)
Ø d Pole top diameter (circumscribed)

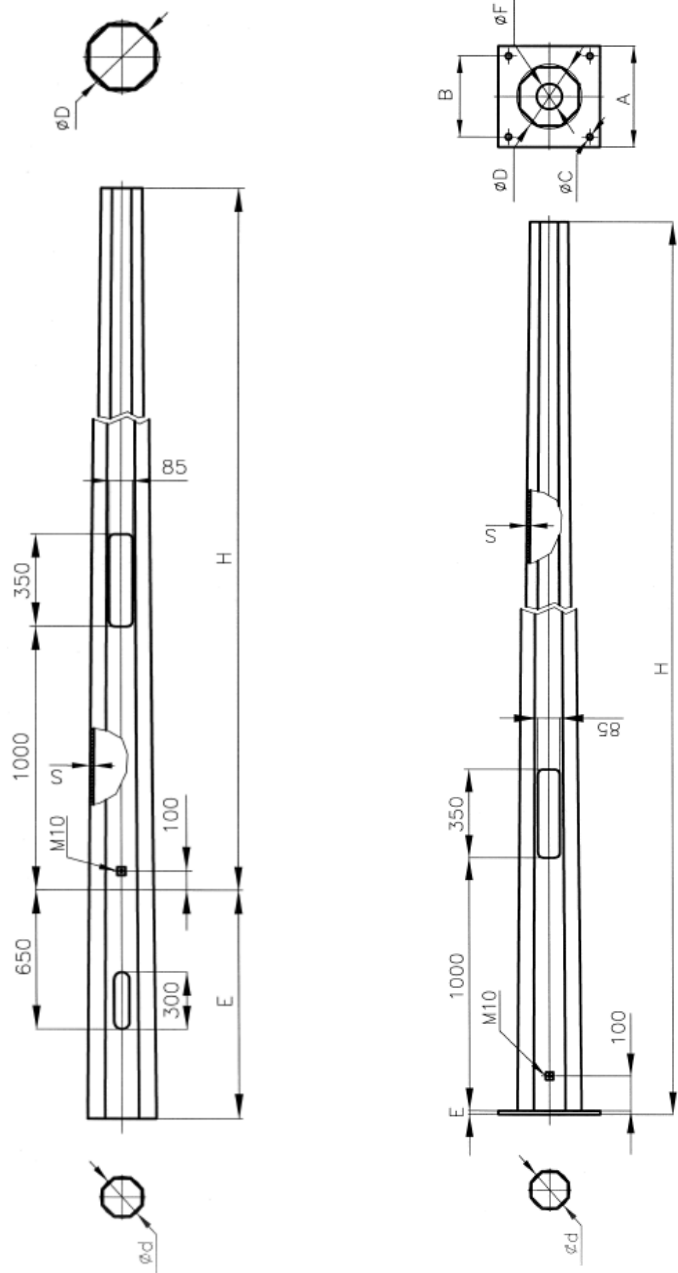
S Section wall thickness
Mass: Mass without finish
T Vertical tension

Sheet Metal Bent Pyramidal Pole – Flanged Extender Lighting Pole (OSPP)											
Type	H (mm)	S (mm)	Ø D (mm)	Ø d (mm)	E (mm)	A (mm)	B (mm)	Ø C (mm)	Ø F (mm)	Mass*	T (kN)
OSPP 080-40 (OSP 080-43 bottom section)	5,700	4	250	85	15	400	320	24	100	105	1.1
OSPP 100-40 (OSP 100-43 bottom section)	5,500	4	190	115	15	400	320	24	100	115	1.6
OSPP 120-40 (OSP 120-43 bottom section)	5,500	4	214	139	20	450	350	28	100	135	2.4

H Pole utility height
S Section wall thickness
Ø D Pole foot diameter (circumscribed)
Ø d Pole top diameter (circumscribed)
E Flange thickness
A Flange side dimension

B Screw holes pitch
Ø C Screw holes diameter
T Vertical tension
Ø F Cable throughput opening
Mass* Mass without finish

**Sheet Metal Bent
Pyramidal Pole**



**Fig. 1- Sheet Metal Bent Pyramidal Lighting Pole
Clamped Passage OSVP**

**Fig. 2 - Sheet Metal Bent Pyramidal Lighting Pole
Flanged Passage OSPP**

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