



# SHEET METAL BENT PYRAMIDAL POLES

Clamped extender lighting pole (OSVV type)  
Flanged extender lighting pole (OSPV type)

## Basic Information

These types of sheet metal bent pyramidal lighting poles can be very beneficial primarily in illuminating public spaces, sports grounds, various areas, airports and many other spaces. Thanks to its sectional combination design, it is possible to adjust the pole length to the customer's requirements. The sectional combination is primarily beneficial in transporting longer poles. With respect to the traffic safety, the sheet metal bent pyramidal poles are designed so that they can be easily deformed if crashed into 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 through bending steel sheet metal 3 and 4 mm thick of the S 235 JRC+N material class, and combining two or more sections. 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 outside 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. In the top section, the poles have an 80 mm circumscribed circle diameter for fixing extenders. The extenders on the light fixture fixing have the diameter of 60 mm.

The pole utility height (H) may, due to technology reasons, primarily in the FLP and multi-section poles, differ by up to ±25 mm from the length stated in tables.

These types of sheet metal bent poles can be furnished with extenders designed specifically for them with one up to four arms. The multi-arm poles may have angles of 90°, 120°, and 180° between arms. The overview for these pole types is presented on the "OSVV and ASPV Extender Lighting Poles Extenders".

The poles, including respective extenders, meet structural calculations for fixing 0.15 sq. m.

Atypical extender configurations may be supplied after consultations with the manufacturer and verification by structural calculations.

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

## Basic Technical Data

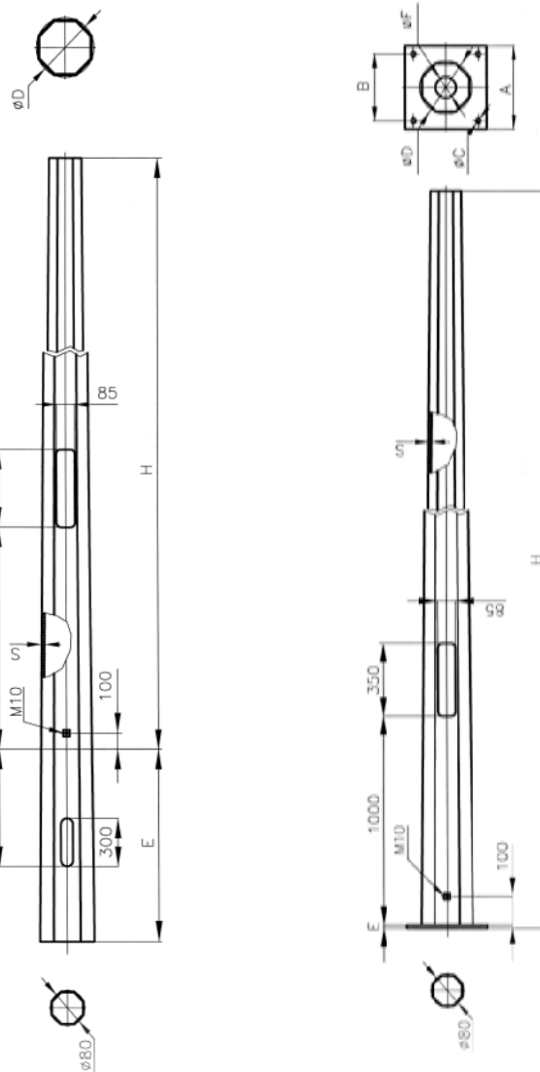
<b>Sheet Metal Bent Pyramidal Pole – Clamped Extender Lighting Pole (OSVV)</b>									
Type	H (mm)	E (mm)	Ø D (mm)	S (mm)	T (kN)	Mass (kg)*	No. of Sections	Length X (mm)	Length Y (mm)
<b>OSVV 080-43</b>	8,000	1,200	276	4.3	1.00	170	2	7,000	2,700
<b>OSVV 100-44</b>	10,000	1,500	300	4.4	0.70	230	2	6,900	4,900
<b>OSVV 120-44</b>	12,000	1,500	317	4.4	0.52	285	2	7,100	6,700

<i>H</i>	<i>Pole utility height</i>	<i>T</i>	<i>Vertical tension</i>
<i>E</i>	<i>Clamping depth</i>	<i>Mass*</i>	<i>Mass without finish</i>
<i>Ø D</i>	<i>Pole foot diameter (circumscribed)</i>	<i>Length X</i>	<i>First section length (bottom)</i>
<i>S</i>	<i>Section wall thickness (from bottom)</i>	<i>Length Y</i>	<i>Second section length</i>

<b>Sheet Metal Bent Pyramidal Pole – Flanged Extender Lighting Pole (OSPV)</b>													
Type	H (mm)	E (mm)	Ø D (mm)	S (mm)	A (mm)	B (mm)	Ø C (mm)	Ø F (mm)	T (kN)	Mass*	No. of Sections	Length X (mm)	Length Y (mm)
<b>OSPV 080-43</b>	8,015	20	250	4.3	400	320	24	100	1.00	155	2	5,700	2,700
<b>OSVV 100-44</b>	10,000	20	317	4.4	400	320	24	100	0.70	205	2	5,500	4,900
<b>OSVV 120-44</b>	12,020	20	290	4.4	450	350	28	100	0.52	270	2	5,600	6,700

<i>H</i>	<i>Pole utility height</i>	<i>Ø F</i>	<i>Cable throughput opening</i>
<i>E</i>	<i>Flange thickness</i>	<i>T</i>	<i>Vertical tension</i>
<i>Ø D</i>	<i>Pole foot diameter (circumscribed)</i>	<i>Mass*</i>	<i>Total mass without finish</i>
<i>S</i>	<i>Section wall thickness</i>	<i>No. of Sections</i>	<i>Number of sections for reaching the pole utility height</i>
<i>A</i>	<i>Flange side length</i>	<i>Length X</i>	<i>First section length (bottom)</i>
<i>B</i>	<i>Screw holes pitch</i>	<i>Length Y</i>	<i>Second section length</i>
<i>Ø C</i>	<i>Screw holes diameter</i>		

**Sheet Metal Bent  
Pyramidal Pole**



**Fig. 1 Clamped extender lighting pole (OSVV type)**

**Fig. 2 Flanged extender lighting pole (OSPV type)**

**Contact**

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