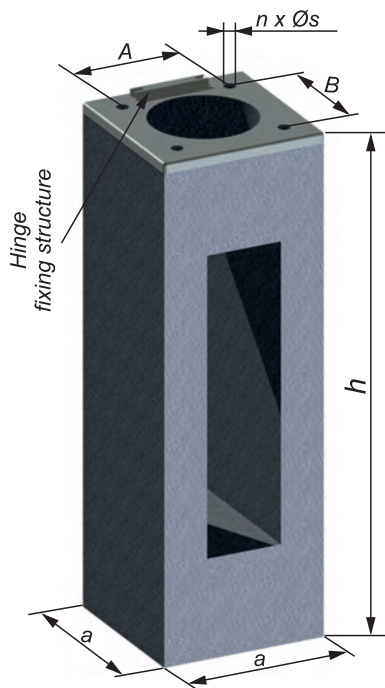


STREET LIGHT POLES WITH PASSIVE SAFETY CHARACTERISTICS, ACCORDING TO PN-EN 12767 TYPE F150/200-PS PRECAST CONCRETE FOUNDATIONS



Technical data

TYPE	h	a	AxB	nxØs	m	Mg
	m	m	mm	mm	kg	kNm
F150/200-PS	1,5	0,3	200x200	4xM20	260	31,5

Design:

The foundation is made of C16/20 (B20) class reinforced concrete with penetrations for routing electrical cables with a maximum cross-section of 4x95 mm². The foundation is finished with a steel cover with a hidden system of fastening the base of the 4xM20 column, hinge fasteners and steel elements of the foundation: anchors, hooks and bolts. All fasteners are galvanized.

Application:

The F150/200-PS foundation is intended for setting the below safe street light poles equipped with hidden foot:

The F150/200-PS foundation, together with safety poles listed below, ensure the LE energy absorption category for the entire pole-foundation structure (slow the vehicle down);

- steel poles t = 3mm, straight, round section, conical, series S-PCN-3PS; 90PCN-3PS, 100PCN-3PS, 110PCN-3PS;
- steel poles t = 3mm, with arm, round section, conical, series S-PCN-3PS; 100CN-3PS, 110CN-3PS, 120CN-3PS.

LE category structures – low energy absorption (slow the vehicle down);

- recommended for areas where the safety hazard for pedestrians or cyclists is reduced due to the speed limit of 50 km/h or less.

The F150/200-PS foundation, together with safety poles listed below, ensure the HE energy absorption category for the entire pole-foundation structure (they stop the vehicle or slow it down significantly);

- steel poles t = 2mm, straight, round section, conical, series S-PC-PS; S-100PC-PS, S-110PC-PS, S-100C-PS;
- steel poles t = 2mm, with arm, round section, conical, series S-C-PS; S-100C-PS, S-110C-PS, S-100C-PS;
- steel poles t = 2mm, straight, octagonal section, conical, series S-P/8-PS; S-100P/8-PS, S-110P/8-PS, S-120P/8-PS;
- steel poles t = 2mm, with arm, octagonal section, conical, series S-/8-PS; S-100/8-PS, S-110/8-PS, S-120/8-PS.

HE category structures – high energy absorption (stop the vehicle or slow it down significantly);

- recommended for zones of increased pedestrian and bicycle traffic and pedestrian crossings, where there is a risk of a secondary collision with other road users or pedestrians and obstacles within the built-up area as they can stop the vehicle or slow it down significantly at higher speeds, reducing the effects of secondary collisions.