EasyStreet SYSTEMS

Product Information

9.8" Outer Diameter Composite Pole

Product summary:

EasyStreet Systems provides a game changing solution to 4G/5G/small cell, lighting, and IoT infrastructure demands-at a fraction of current construction methods.

Imagine a tower that can be easily installed into a 12" dia. bored-hole, secured with a 2-part foam mixture, set with a light-duty boom-truck, and blend with the surrounding aesthetic. Our product is lightweight, customizable and impacts the environment much less than traditional solutions. A 20-foot EasyStreet direct-bury 9.8" Outer Diameter (OD) tower weighs ~140 lbs, as opposed to ~2,000 lbs for a steel tower, cutting installation costs significantly. The tower, foam-kit, and cover-plates for access-ports are all provided in an all-inclusive and easy to use kit.

Specifications (direct-bury):

Applications:	Lighting, IoT (Internet of Things), Wi-Fi, 4G/5G small cell sites
Height ranges:	Up to 40 feet above ground level (AGL)
Weight:	7lbs/foot
Outer diameter:	9.8" Standard OD (9.25" ID)
Cable-access:	5"H x 2.5"W handhole with secure cover 24" AGL
Conduit-entry: (below ground level)	5"H x 2.5"W oval port for conduit-routing (factory-installed or easily field-configured with standard tools)
Colors:	Gray, black, brown & dark green standard (custom available)
Construction:	Patented composite structure with reinforced UV-resistant coating.
Equipment:	Accommodates all small cell, microwave and IoT equipment
Wind speeds:	Up to 180 mph (depending on loading)
Structural:	Analysis per TIA-222, AASHTO and local building codes
Electrical:	Hand-hole and conduit-port available for routing power, fiber & data cables.
Base-flange option:	12“W x 12“D x 1.5“H 4x corner-mounts (3/4” or 1" bolts, 11.6" to 14.0" mounting circle)

Contact Us

sales@easystreetsystems.com

(509) 402-1888

EPA (effective projected area) capacities for 20, 25, and 30-foot towers (direct-bury)

Wind Speed (mph)	20'H Total EPA (SqFt) Pole + Equip	20'H EPA (SqFt) Equip Only	25'H Total EPA (SqFt) Pole + Equip	25'H EPA (SqFt) Equip Only	30'H Total EPA (SqFt) Pole + Equip	30'H EPA (SqFt) Equip Only
60	213.7	202.5	170.9	157.0	142.5	126.1
80	120.2	109	96.2	82.2	80.1	63.8
100	76.9	65.8	61.5	47.6	51.3	35
120	53.4	42.3	42.7	28.8	53.4	19.3
140	39.2	28.1	31.4	17.4	26.2	9.8
160	30.0	18.9	24.0	10.1	20.0	3.7
180	23.7	12.6	19	5.0	Not Usable	Not Usable

Based on tower overturning-moment (OM) load capacity of 40,000 foot-lbs(40 kip-foott)

Direct-bury foundation capacity*

(Based on soil types and overturning-moment capacity)

*Engineering study and data provided by Paul J. Ford professional engineering

PJF PAUL J. FORD & COMPANY

Non-cohesive soils						
	Soil properties			Depths (ft) for listed applied moment		
	Unit weight (pcf)	Friction angle (degree)	Cohesion (psf)	15 kip*ft	20 kip*ft	25 kip*ft
Poor	90	26	0	8	8.75	9.25
Average	110	30	0	7.25	7.75	8.25
Good	130	34	0	6.5	7	7.25
Cohesive soils						
	Soil properties			Depths (ft) for listed applied moment		
	Unit weight (pcf)	Friction angle (degree)	Cohesion (psf)	15 kip*ft	20 kip*ft	25 kip*ft
Poor	90	0	250	9	10	11
Average	110	0	600	6	6.75	7.25
Good	130	0	1000	5	5.5	5.75

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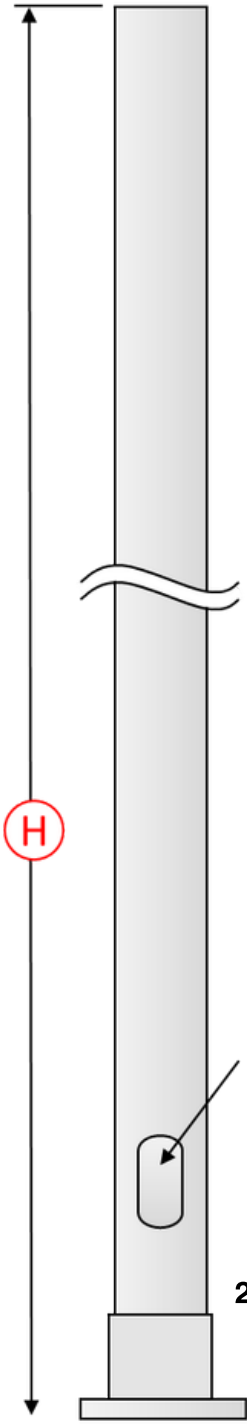
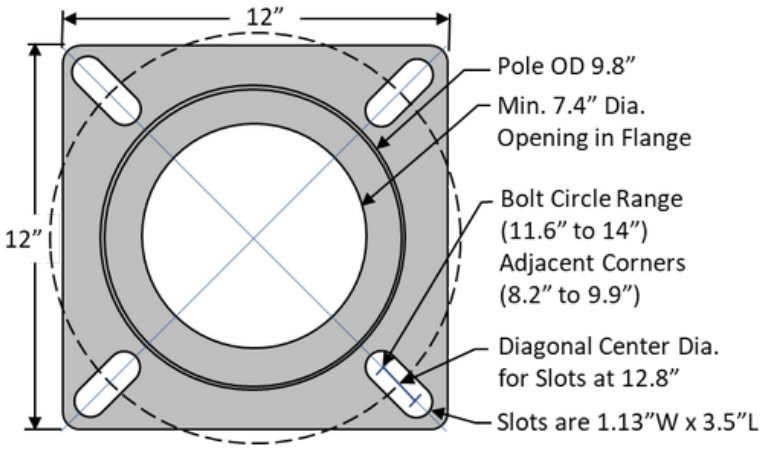
Base flange mounting pattern and cable access





Base flange covers provided

EPA (effective projected area) capacities for 20, 30, and 40-foot towers (flange-mount)

Wind Speed (mph)	20'H Total EPA (SqFt) Pole + Equip	20'H EPA (SqFt) Equip Only	30'H Total EPA (SqFt) Pole + Equip	30'H EPA (SqFt) Equip Only	40'H Total EPA (SqFt) Pole + Equip	40'H EPA (SqFt) Equip Only
60	213.7	202.8	142.5	126.1	106.8	85.1
80	120.2	109.3	80.1	63.8	60.1	38.3
100	76.9	66	51.3	35	38.5	16.7
120	53.4	42.5	35.6	19.3	26.7	4.9
140	39.2	28.4	26.2	9.8	Not Usable	Not Usable
160	30	19.2	20	3.7	Not Usable	Not Usable
180	23.7	12.9	Not Usable	Not Usable	Not Usable	Not Usable

Based on tower overturning-moment (OM) load capacity of 40,000 foot-lbs(40 kip-foott)

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