Type IV Pole

Type IV Technical Chart

Used for Power Distribution—Heavy Duty

Direct Embedment

CATALOG NUMBER SMOOTH GRAY	MOUNTING HEIGHT (Ft.)	POLE WEIGHT (Lbs.)	OVERALL LENGTH (Ft.)	POLE SIZE (In.)		EPA AT POLE TIP (Sq. Ft.)					ULTIMATE GROUND-LINE MOMENT (Ft. Lbs.)	BREAK-ING LOAD 2 Ft. FROM TIP (Lbs.)
				TIP	BUTT	90 MPH	110 MPH	130 MPH	140 MPH	160 MPH		
254002	20.5	2,424	25.0	7.63	11.69	194	126	87	73	54	70,200	3,794
304002	25.0	3,213	30.0	7.63	12.50	214	139	96	81	59	99,300	4,317
354002	29.5	4,068	35.0	7.63	13.31	200	129	88	73	52	115,300	4,192
404002	34.0	5,032	40.0	7.63	14.13	190	121	81	67	47	131,800	4,118
454002	38.5	6,111	45.0	7.63	14.94	182	115	76	63	43	149,400	4,093
504002	43.0	7,312	50.0	7.63	15.75	177	110	72	59	39	169,200	4,126
554002	47.5	8,642	55.0	7.63	16.56	171	106	68	55	36	188,400	4,140
604002	52.0	10,107	60.0	7.63	17.38	164	100	63	50	31	205,900	4,118

General Information

1. Different colors, finishes and exposed aggregates are available upon request.
2. Longer lengths of poles available upon request.
3. All corners are chamfered.
4. 7,000 PSI concrete is standard; higher strengths are available if required.
5. STRENGTH: In most cases a higher ground line moment and a higher breaking strength and EPA can be attained without going to a larger pole.
6. EFFECTIVE PROJECTED AREA (EPA): Lonestar Prestress Mfg. concrete poles and mounting arms have been designed in accordance with accepted engineering practices to be structurally capable of withstanding wind loads and velocity pressure per ASCE 7-05. Poles to meet higher wind loads are available.
7. HOLES: Holes are precast to meet your specifications and requirements for mounting attachments, most any desired arrangement can be provided. Contact Lonestar Prestress Mfg. for any questions about field drilling light poles.
8. INSTALLATION: Lonestar Prestress Mfg. concrete poles are designed for setting directly into the ground, without the use of precast foundations, similar to the setting of wood poles. After the hole is drilled, the pole is set and plumbed, the earth is then backfilled and tamped. The depth is dependent on the nature of the soil and the anticipated load. Where it is impossible to embed the poles in the ground, such as on bridges or overpasses, a boltdown base plate is available.
9. To specify a base plate for base mounted poles add the suffix BP to catalog numbers. Customer to supply the bolt circle drawings or template.

Lonestar Prestress Manufacturing Inc.