

POLE CLASSIFICATIONS

Spun Concrete Poles



For almost all applications of spun concrete poles including streetlighting, sports lighting and power distribution, the theoretical load is applied near the pole tip therefore most poles are selected by tip load computation.

In order to simplify ordering and cataloguing, we have grouped our poles according to alphabetical classes, with a class being defined as minimum ultimate transverse load applied two feet down from the pole tip. All poles that can sustain the same tip load have the same class.

The ground line moment capacity depends on the pole length, since that moment is the product of the ultimate load and the distance between the point of application (2 ft. from the tip), and the ground line.

The table shown below summarizes the concrete classes:

Class Designation	Minimum Ultimate Transverse Load		Minimum Ultimate Torque	
	(lbs)	(KN)	(ft.-lbs)	(KN-M)
AA	450	2.0	N/A	N/A
AL	600	2.7		
A	600	2.7	1100	1.50
B	900	4.0		
C	1200	5.3	2750	3.75
D	1500	6.7		
E	1900	8.5		
F	2400	10.7		
G	3000	13.3	5160	7.00
H	3700	16.5		
J	4500	20.0		
K	5400	24.0	8300	11.25
L	6400	28.5		
M	7500	33.4		
N	8700	38.7	12160	16.50
O	10000	44.5		