

RAISING THE BAR ON SPUN CONCRETE POLES



Creating a distribution pole that offered both strength and lighter weight was not easy. But the engineers at Valmont® Utility didn't stop until they achieved it. Our proprietary concrete poles were engineered to be the lightest weight in the industry. They were also engineered to provide the maximum strength through the spinning process. The result is a value that wood poles simply cannot offer, including:

- Resistant to salt, moisture, high winds, insects, rot, fire
- Little to no maintenance
- Custom designs for size and/or strength
- IEEE NESC material strength factor at 1.0 vs. reduced wood strength factors
- Our spun concrete solution weighs 20%-30% less than similar static cast concrete poles
- Shorter lead times
- Direct embedment with no additional foundation required
- Structural engineering support and testing
- Uniform shape and consistent sizing along the pole length

LIGHTWEIGHT SPUN CONCRETE MEASURES UP

Lightweight spun concrete distribution poles can be manufactured to meet nearly any specifications. Below is the data for some of our more popular sizes. And, the numbers speak for themselves.

Length	Tip Diameter	Butt Diameter	Embed Depth	Pole Weight	GLM Capacity Provided	Pole Weight	GLM Capacity Provided	Pole Weight	GLM Capacity Provided	Pole Weight	GLM Capacity Provided
(feet)	(in)	(in)	(ft)	(lbs)	(kip-ft)	(lbs)	(kip-ft)	(lbs)	(kip-ft)	(lbs)	(kip-ft)
	Tip Load (lbs.)			2,405		2,925		3,510		4,160	
	ALL	ALL		C2		C1		H1		H2	
40	7.75	14.95	6.0	3,400	87	3,500	95	3,500	121	3,600	138
45	7.75	15.85	6.5	4,100	95	4,200	107	4,200	134	4,300	154
50	7.75	16.75	7.0	4,700	103	4,900	126	4,900	145	5,100	171
55	7.75	17.65	7.5	5,500	111	5,700	136	5,700	160	5,800	189
60	7.75	18.55	8.0	6,300	120	6,500	146	6,600	176	6,700	208

NOTE: All Embedment Depths Assumed to be 10% of the pole length +2 ft.

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