

POUR CALCULATOR

Post Hole Concrete Bag Chart

Fence posts and deck-footing tubes | 50, 60 and 80 lb bags | 10% waste included

Use	Hole size	Volume	50 lb	60 lb	80 lb
Small fence line post	8 in x 24 in	0.7 cu ft	3	2	2
Line post compact hole	10 in x 24 in	1.09 cu ft	4	3	2
Line post deeper set	10 in x 30 in	1.36 cu ft	4	4	3
4x4 line post 30 in depth	12 in x 30 in	1.96 cu ft	6	5	4
4x4/gate 36 in depth	12 in x 36 in	2.36 cu ft	7	6	5
Deck tube 48 in depth	12 in x 48 in	3.14 cu ft	10	8	6
Large deck pier	16 in x 36 in	4.19 cu ft	13	11	8
Large footing 18 in tube	18 in x 48 in	7.07 cu ft	21	18	13

Formula

volume = $\pi \times \text{radius squared} \times \text{depth}$

Bag counts add 10% waste before rounding up.

Before digging

Check utilities, frost depth and local code.

Deck footings and gates may need plan review.

Method: full round hole volume. Does not subtract post displacement or gravel base.

Estimates only. Verify footing size and bag yield before buying. pourcalculator.com - CC BY 4.0