

FENCE POST CHART

Twelve fence lengths at three post spacings, then the whole material list at eight foot spacing, then the concrete a hole takes at every normal depth and diameter.

Posts are sections plus one. That plus one is where the count goes wrong, and it goes wrong again at every corner and every gate, because each of those needs a post of its own that the straight line arithmetic never sees.

The concrete is the part people underestimate. A 10 inch hole 30 inches deep takes just over a cubic foot once the post is subtracted, which is four 50 pound bags for one post, and a 150 foot fence is eighty bags on a pallet.

Posts by fence length and post spacing

Fence length	6 ft spacing	8 ft spacing	10 ft spacing
50 ft	10	8	6
75 ft	14	11	9
100 ft	18	14	11
125 ft	22	17	14
150 ft	26	20	16
175 ft	31	23	19
200 ft	35	26	21
250 ft	43	33	26
300 ft	51	39	31
400 ft	68	51	41
500 ft	85	64	51
660 ft	111	84	67

One post per section plus one to close the run. Add a post at every corner and one on each side of every gate, because a straight run count cannot see them.

The whole material list at 8 ft spacing

Fence length	Sections	Posts	Rails	Pickets	50 lb bags
50 ft	7	8	21	110	32
75 ft	10	11	30	164	44
100 ft	13	14	39	219	56
125 ft	16	17	48	273	68
150 ft	19	20	57	328	80
175 ft	22	23	66	382	92
200 ft	25	26	75	437	104

Fence length	Sections	Posts	Rails	Pickets	50 lb bags
250 ft	32	33	96	546	132
300 ft	38	39	114	655	156
400 ft	50	51	150	873	204
500 ft	63	64	189	1,091	256
660 ft	83	84	249	1,440	336

Three rails per section, pickets 5.5 inches wide butted with no gap, post holes 10 inches across and 30 inches deep. Bags are rounded up per hole, since three quarters of a bag will not keep until the next one.

Concrete per hole, by depth and diameter

Hole depth	8 in hole	10 in hole	12 in hole
24 in	0.53	0.92	1.4
30 in	0.66	1.15	1.75
36 in	0.79	1.38	2.1
42 in	0.92	1.61	2.45
48 in	1.06	1.84	2.8

Cubic feet of concrete per hole, with the volume of a 4 x 4 post already subtracted. A 50 pound bag of mix yields about 0.375 cubic feet, a 60 pound bag about 0.45, and an 80 pound bag about 0.6.

Every figure on this sheet was produced by the same calculator that runs at contractorhandbook.com, free and with no signup.

These are estimating figures for ordering and pricing, not engineering. Nothing here sizes a structural member, checks a load, or replaces local code, a permit, or a manufacturer's installation instructions. Where a rule of thumb is doing the work it is written into the notes under each table rather than hidden.