This paper studies the question: What is the maximum integer kb,n such that every kb,n-colorable graph has a b-bend n-din1ensional orthogonal box drawing?

We give an exact answer for the orthogonal line drawing in all dimensions and for the 3-dimensional orthogonal drawing by rectangles and general boxes. Particularly, we improve the best known upper bound for the 3-dimensional orthogonal orthogonal orthogonal box drawing from 183 to 42 and the lower bound from 3 to 22.