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41. A rotary rock bit comprising:  
 a bit body;  
 a plurality of diamond cutters mounted on the bit  
 body for drilling a plurality of annular grooves in 5  
 the bottom of a hole;  
 a plurality of rolling cone cutters mounted on the bit  
 body for drilling at least a portion of the bottom of 10  
 the hole, the portion drilled by the rolling cone  
 cutters at least partly overlapping the portion  
 drilled by the diamond cutters; and

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a plurality of carbide inserts protruding from the  
 surface of each rolling cone cutter, the carbide  
 inserts being in rows on the rolling cone cutters  
 that drill annular grooves the same as at least a  
 portion of the grooves drilled by the diamond cut-  
 ters, and wherein the carbide inserts protrude from  
 the surface of the rolling cone cutters a distance  
 less than the protrusion of the diamond cutters  
 from the bit body for limiting depth of penetration  
 of the diamond cutters into the bottom of the hole  
 to less than the length of protrusion of the diamond  
 cutters from the bit body.

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