

ABSTRACT

DRIVE SYSTEM WITH FULL SURFACE DRIVE CONTACT

A drive system with full surface drive contact. The drive system tends to maximize the surface contact pattern or area at typical bit-recess reaction (drive) torque values, thereby tending to minimize bit-recess surface contact stresses, coating damage, recess ream and premature bit fatigue failure. An object of an embodiment of the present invention is to provide a drive system with full surface drive contact. An object of an embodiment of the present invention is to provide a drive system that tends to maximize the surface contact pattern or area at typical bit-recess reaction (drive) torque values, thereby tending to minimize bit-recess surface contact stresses, coating damage, recess ream and premature bit fatigue failure.

(Figure 1)