ACTUATION ASSEMBLY FOR RISER CONNECTION DOG

Abstract

A box 12A and pin 14A coupling for a drilling riser having an actuator assembly 50 with an attached dog 64. The actuator assembly 50 includes an actuation rod 32 having an end affixed to the dog 64. A portion of the rod 32 is circumscribed by an annular sleeve 34, where the outer surface of the sleeve 34 is threadingly attached to one of the box 12A or pin 14A. A shoulder 33 is formed on the rod 32 outer circumference between the sleeve 34 and the end of the rod 32 attached to the dog 64. A retainer cap 42 is provided on the end of the rod 32 opposite where it attaches to the dog 64. The sleeve 34 abuts the rod 32 on one end, and the retainer cap 42 on the other, so that rotating the sleeve 34 axially moves the actuation rod 32, that in turn moves the attached dog 64 into or out of engagement with a profile 24A on the other of the box or pin.

Figure 2