KUDU Sucker Rod Centralizer
Nonrotating sleeve design to eliminate rod coupling wear

APPLICATIONS
■ Progressing cavity pump (PCP) installations when paired with the rodstring

BENEFITS
■ Reduces torque in deviated wells and lowers workover frequency
■ Minimizes rotational rubbing and rod wear
■ Prevents eccentric motion of the rotor from being transmitted to the rodstring
■ Eliminates wobble in the rodstring from being transmitted to the polished rod

FEATURES
■ Nonrotating sleeve design that is tapered for easy installations
■ Conventional spindle and API coupling for regular applications (e.g., low sand)
  ▪ Spindle made of 4140 hardened, tempered, stress-relieved tool steel, which resists abrasion
■ Chromed rod couplings for severe conditions (e.g., high sand)
■ Kevlar-nylon copolymer sleeve resists sand embedment
■ Imperviousness to aromatics and H₂S with a temperature rating of 212 degF (100 degC)
■ Tubing sizes from 2 7/8 in [73 mm] to 4 1/2 in [114 mm]
■ Sucker rod sizes from 7/8 in [22 mm] to 1 1/4 in [29 mm]

KUDU sucker rod centralizers eliminate rod coupling wear and feature a nonrotating sleeve design that is tapered for rod tripping. The centralizers reduce torque in deviated wells and lower workover frequency, and reduce or eliminate rotational rubbing and rod wear.

In abrasive conditions, Schlumberger recommends centralizing the sucker rodstring wherever the coupling or tubing loading exceeds 25 lbf [11 kg]. In nonabrasive conditions, Schlumberger recommends centralizing wherever the loading exceeds 50 lbf [23 kg]. The centralizers should be installed to keep the loading below 100 lbf [45 kg] on each centralizer.

Schlumberger also suggests the use of a minimum of five nonrotating centralizers on vertical wells to prevent eccentric motion of the rotor from being transmitted to the rodstring, which can be rectified by placing
■ one centralizer 12 ft [3.66 m] above the rotor head
■ one centralizer on top of each of the two full sucker rods.
■ wobble in the rodstring from being transmitted to the polished rod, which reduces the life of the seal or stuffing box and can be solved by placing
  ▪ one centralizer at the bottom of the polished rod
  ▪ one centralizer at the bottom of the adjacent sucker rod.