

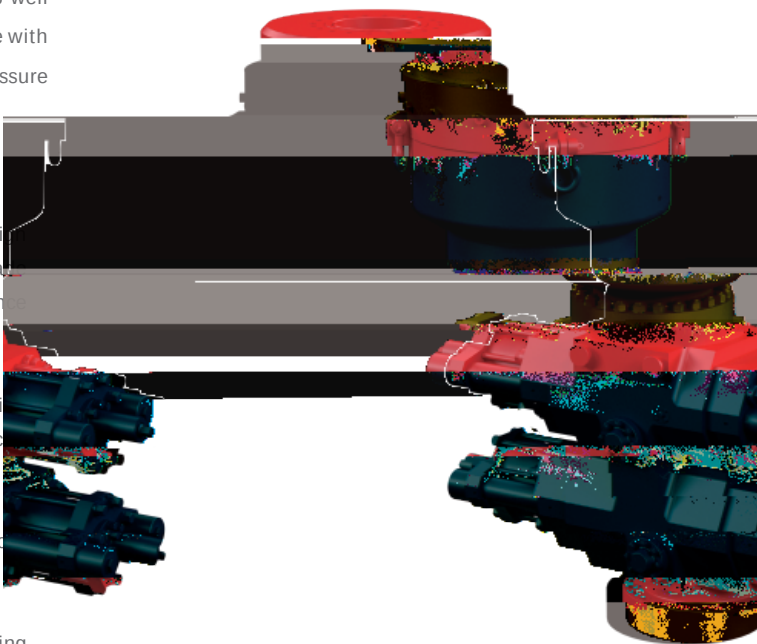
54-70 Large bore size High-pressure BOP Stack

Manufacturing Standards:API 16A、GB/T 20174

Product Applicability: For high-yield oil and gas fields and superdeep well operations under high formation pressure that require drilling wellbore with large drift diameter, corresponding large-diameter and ultra-high-pressure BOPs shall be equipped.

Product Features

- High level shearing capacity: Single cylinders have extremely high shearing capacity, and can directly cut off 5 7/8", 23.4lb/ft, S-135-grade high-performance drill pipes and achieve reliable sealing performance at a rated working pressure of 70MPa after the cutting
- Ram hang-on capacity: It can ensure sealing at the rated working pressure while hanging the drilling tool, and the hanging weight can reach up to 600000lbs (272t)
- Side door and cylinder structure: The simple structural design reduces the labor intensity and difficulty in ram replacement
- Surface treatment: Different parts are subject to corresponding advanced surface treatment to improve their anti-corrosion and the reliability of the BOP
- Can realize the gas sealing



21 1/4"

Bore size

10000psi

Rated working pressure

177°C

Max temperature level

Technical Parameters

Nominal diameter	539.45mm (21 1/4")
Rated working pressure: ram preventer	Ram BOP 69MPa (10000psi) Annular BOP 34.5MPa (5000psi)
Hydrostatic test pressure of the body	ram preventer 103.5MPa (15000psi) annular preventer 51.75MPa (7500psi)
Rated working pressure of hydraulic control system	20.7MPa 3000psi
Recommended operating pressure	10.35Mpa 1500psi
Temperature Ratings for Metallic Materials	Ram BOP Highest T-20/350 Annular BOP Highest T-20/250
Temperature Ratings for Nonmetallic Sealing Materials	Ram BOP Highest BFF Annular BOP Highest BBD
Sulfur resistance level	NACE MR0175
Performance Level	PR2