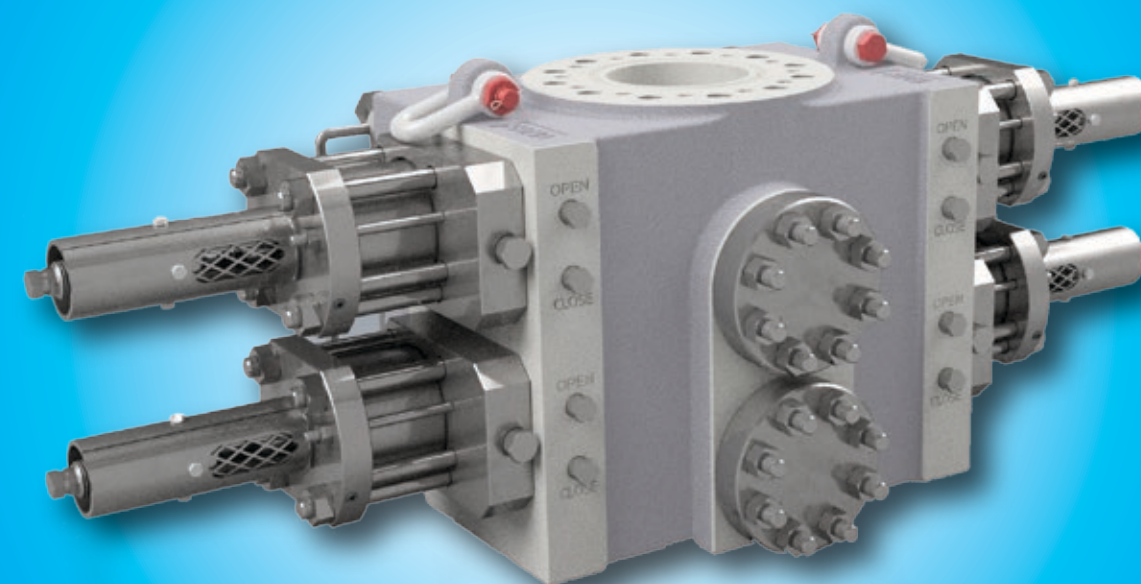


KANA Energy Services, Inc.



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Patent Pending

7 1/16" 2/3/5000 D/R W/O Blow Out Preventer

9" 3/5000 D/R W/O Blow Out Preventer

KANA Energy Services, Inc.

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KANA Energy Services, Inc., Sales and Services, Houston, Texas

DOUBLE RAM		
	7 1/16" Nominal Bore	9" Nominal Bore
Pressure Rating	2000 psi/3000 psi/5000 psi	3000 psi/5000 psi
Factory (Shell/Body) Test Twice Working pressure (Subject to end connection in use)	4000 psi/6000 psi/10000 psi	6000 psi/10000 psi
End Connection	Studded top/bottom double drilled to 2/3/5000 bolt hole patterns	
Working Pressure	• 2000 psi/14 mpa when used with 2k/14 mpa bolt pattern • 3000 psi/21 mpa when used with 3k/21 mpa bolt pattern • 5000 psi/35 mpa when used with 5k/35 mpa bolt pattern	
Test Pressure	Factory Test Twice Working Pressure	
Normal Operation pressure/normal	1500 psi	1500 psi
Cylinder volume – close	.33 gals	.49 gals
Cylinder volume – open	.30 gals	.44 gals
Piston Stroke	4.00"	5.00"
Weight Double Ram	2900 lbs	4100 lbs
Top/Bottom Ring Gasket	2000 and 3000 R45/R46; 5000 R46	3000 R49/R50; 5000 R50
Side Outlet Ring Gasket	R24	R24
C/L of Bore to Outlet Face	9.00"	10.75"
Width	20.56"	24.88"
Height	22.06"	24.00"
Length	65.50"	74.25"
Bottom Connection to Bottom of Lower Ram	6.20"	7.12"
Ram Height	3.00"	3.00"
Distance between Rams	9.00"	9.00"
Bottom Connection to C/L Lower Outlet	4.63"	4.75"
C/L Lower Outlet to C/L Upper Outlet	9.00"	9.00"
Ram Block Height	2.99"	2.99"
Ram Block Sizes available	Blind, 1.315, 1.66, 1.9, 2 1/16, 2 3/8, 2 7/8, 3 1/2, 4, 4 1/2, 5, 5 1/2, (2 3/8) - (2 7/8) VBR	Blind, 1.315, 1.66, 1.9, 2 1/16, 2 3/8, 2 7/8, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6 5/8, 7, 7 5/8

Features and Benifits:

- MFG IAW/NACE MR 01-75
- Short Height
- Light Weight
- Internally Ported Hydraulics
- Easy to Maintain
- Double Drilled for 2K, 3K and 5K End Connections

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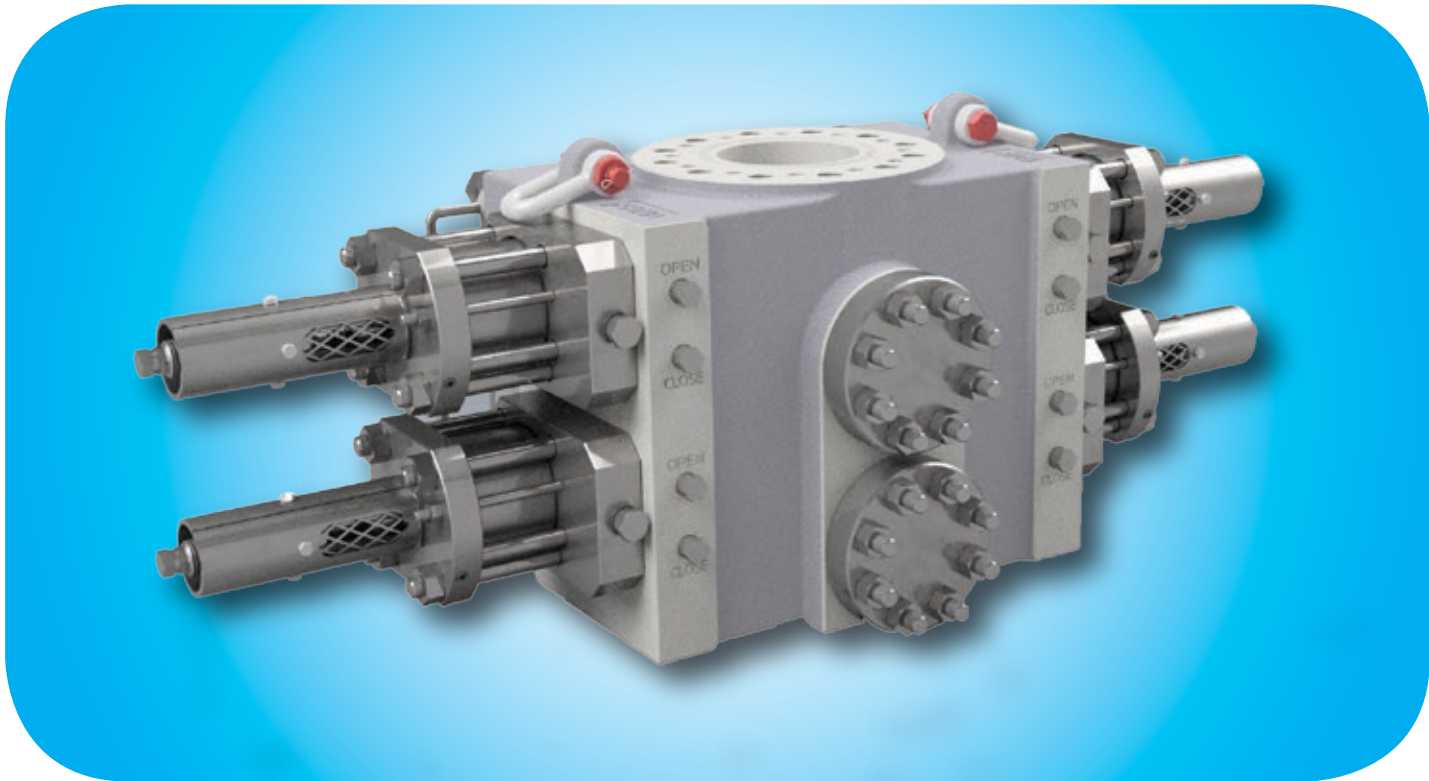
BOPs MFG by: (HRSB) Rongsheng Mach. MFG Ltd. API 16A-0100

(Monogrammed)

HeBei BoLu TianBao Petroleum Equipment Mfg. Co. Ltd. API 16A-0403

(Monogrammed)

Pressure Control Equipment



7 1/16" 2/3/5000 D/R Blow Out Preventer
9" 3/5000 D/R Blow Out Preventer

'BUX' models also available in Single Ram and Triple Ram