



Technical Data Sheet: HA 13-5/8" X 5,000 psi BOP

All HEC Annular Blowout Preventers are manufactured and tested according to HEC Quality Management Standards

HA 13-5/8" X 5,000 psi PN:135HA	
API 16A 4 th Ed. Performance Requirement:	PR1
Bore Size (in.):	13-5/8
Maximum Rated Working Pressure (psi.):	5,000
Maximum Rated Operating Pressure (psi.): ³	1,500
Elastomer Type:	Nitrile (NBR) ¹
Minimum Operating Pressure for Low Pressure Sealing (MOPFLPS) (psi.):	450
Operating Range Pipe Size (in.):	0 to 8-5/8
Temperature Code:	DGB
Temperature Rating (°F): ²	20°F/Other ² /200°F
Product Size (in.):	31.69" O.D. x 14.125" Height
Product Weight (lbs.):	640
Elastomer H ₂ S Rating:	5%
1. Nitrile butadiene rubber 2. For API 16A marking requirements, a middle code letter "G" is used for products temperature tested to PR1. 3. See table 3 below for recommended operating pressure for closing on larger casing.	

Table 1

API 16A 4 th Ed. Qualification Test Results	
Packer Access	PR2 ¹ , 200 cycles, 20 pressure cycles
Fatigue	PR2 ² , 52 cycles
Stripping	N/A
Low Temp	PR2 ¹ (20°F) 3 Cycles
Cont. High Temp	N/A
Extreme High Temp.	PR2 ¹ (200°F) 1 Hour Hold Time
1. Test conducted using 5" test pipe. 2. Test Conducted using 3-1/2" & 5" Pipe	

*Note: Lower temperatures may result in drift times longer than 30 minutes.

Table 2

HA 13-5/8" X 5,000 psi Dimensions			
	Height (in.)	Width (in.)	Weight (lbs.)
w/ 5M Bottom Flange	45.375	50	14,300
w/ 10M Bottom Flange	48.375	50	14,800

Table 3

Adjusted Closing Pressure for Casing						
Casing Size (in.)	7	7-5/8	8-5/8	9-5/8	10-3/4	11-3/4
Closing Pressure (psi.)	1,500	1,255	890	615	415	280

Table 4

HA 13-5/8" X 5,000 psi Operating Capacities		
13-5/8" 5M	Gallons to Open	Gallons to Close
	17.41	23.58