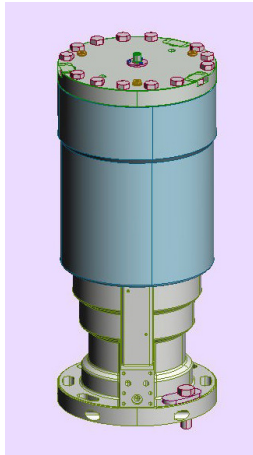


## Data sheet

Sheet No.: BHHF16000.01 RevB  
Date: March 2015

BHHF 16000

# Hydraulic single-acting balanced rotary actuator 90° (Quarter-turn) fail-safe

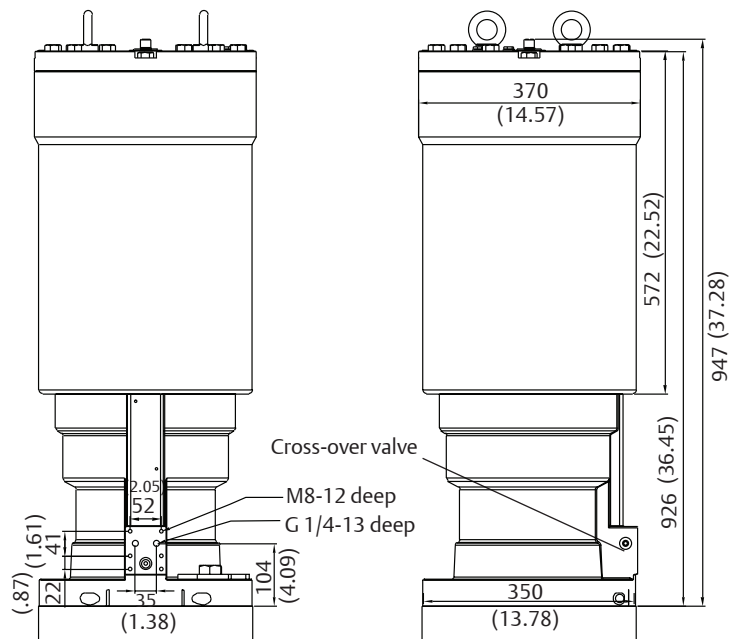


### Main data:

Working pressure:	135 bar	(1958 psi)
Burst test:	675 bar	(9788 psi)
Total drywt. incl. 46.5 kg. (102.3 lbs.) mounting set	467 kg	(1029.5 lbs.)
Oil displacement:	3.1 l	(189.2 cu. in.)
Temperature range:	-20°C to +80°C	(-5° F to +180° F)
Rotation:	90°±1°	
Hydraulic media and viscosities:	We recommend acid-free hydraulic oil. Viscosity range: 15-200 cSt. For recommended brands and for other media than oil please refer to separate data sheet.	

### Main dimensions:

Actuator shown in closed (fail safe) position.  
Dimensions in inches shown in parentheses.



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Updated data sheets can be obtained from our website [www.emerson.com/bettis](http://www.emerson.com/bettis) or from your nearest Actuation Technologies Center:  
America's: +1 281 477 4100 (fax 477 2809) Europe: +36 22 53 09 50 (fax +36 22 54 37 00) Asia/Pacific: +65 677 78 211 (fax +65 626 80 028)

  
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# Data sheet

Sheet No.: BHHF16000.02 RevB  
 Date: March 2015

# BHHF 16000

## Valve adaptation:

Approx 5°

Adapter

Intermediate flange

Valve shaft intrusion: (5.20)

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Adjustment screw, torque: 50 Nm (442.6 in. lb.)

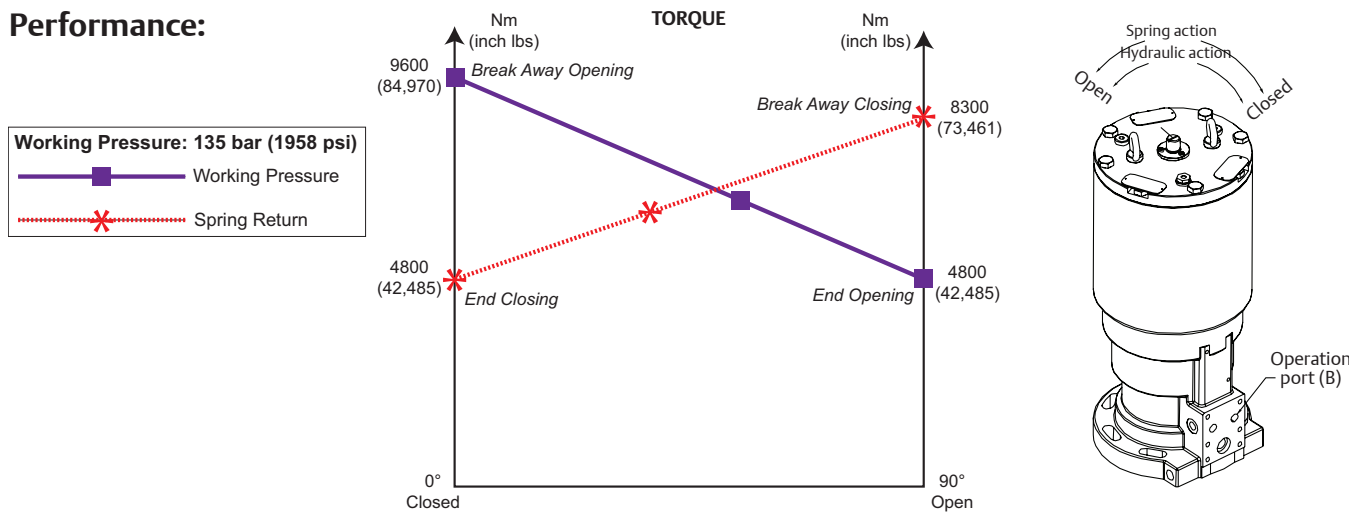
6.5° 6.5°

Fastening nut, torque: 600 Nm (5310.6 in. lb.)

Dimensions in inches in parentheses.

Limits for the machining of the adapter. Other shapes and valve shaft intrusions on request, please contact Bettis.			
Shape			
Machined acc. to:	DIN 6885	DIN 79	
mm (max.):	∅ 95 (3.740)	□ 85 (3.346)	

## Performance:



Note: Not Certified dimensional drawings. Such drawings are available on request. Contact factory with correct model designation and serial number.  
 Important: Due to Emerson's continuing commitment to engineered product advancement, data presented herein is subject to change.

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