

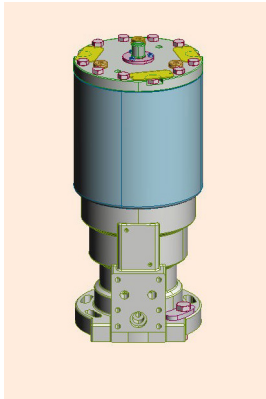
## Data sheet

Sheet No.: BHHF1000.01 RevB

Date: March 2015

BHHF 1000

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



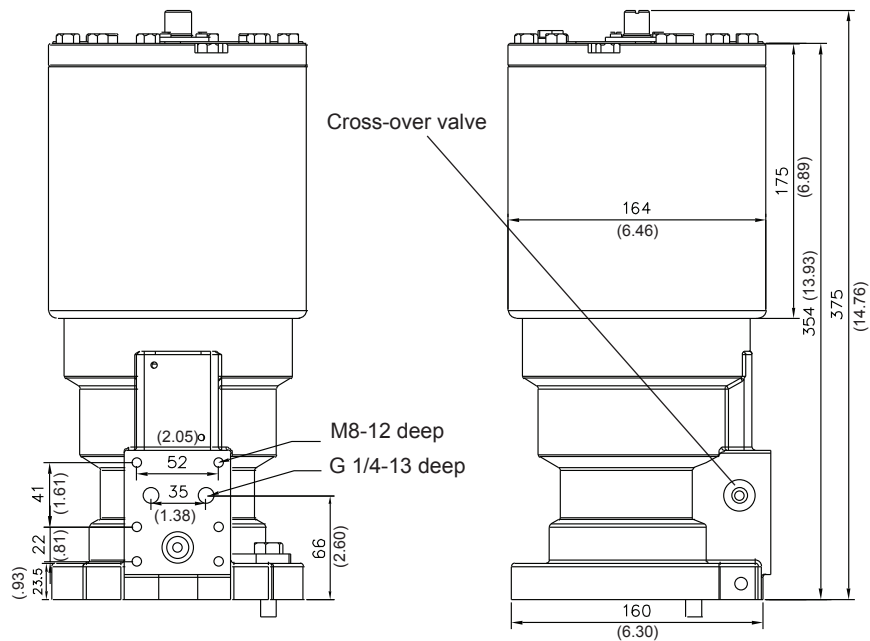
### Main data:

Working pressure:	SR1 90 bar (1305 psi) SR2 135 bar (1958 psi)
Burst test:	675 bar (9788 psi)
Total dry wt. incl. 5.5 kg. (12.1 lbs.) mounting set	39.1 kg (86.2 lbs.)
Oil displacement:	0.209 l (12.8 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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# Data sheet

Sheet No.: BHHF1000.02 RevB  
Date: March 2015

# BHHF 1000

## Valve adaptation:

Approx 5°

Adapter

Intermediate flange

Valve shaft intrusion: (2.48)

63

Adjustment screw, torque: 15 Nm (132.8 in. lb.)

7.5° 7.5°

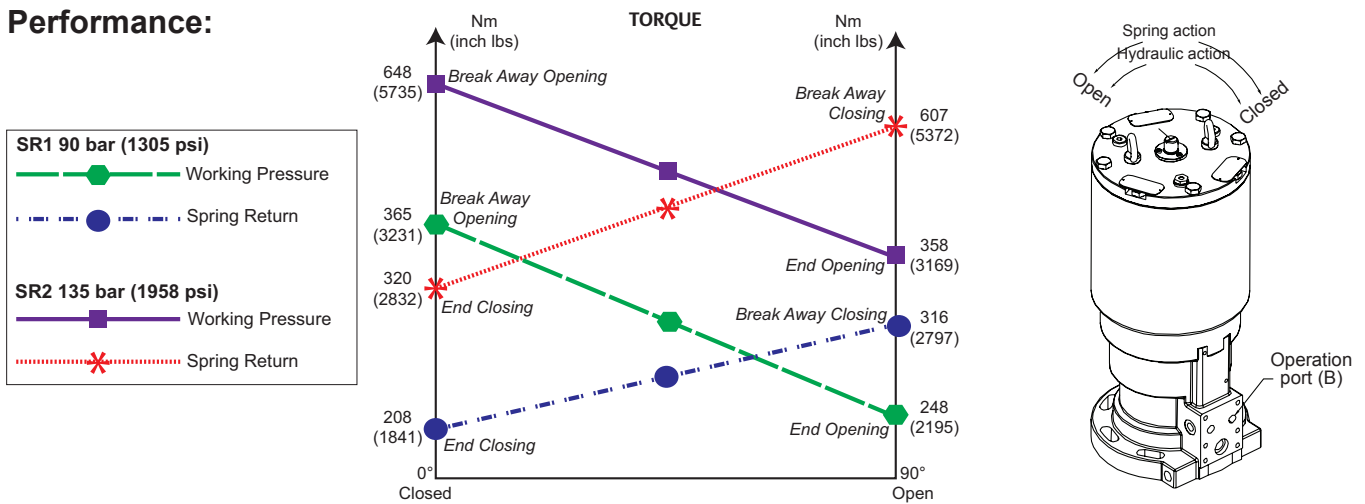
Fastening nut, torque: 35 Nm (309.8 in. lb.)

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.):	Ø 42 (1.654)		□36 (1.417)

Dimensions in inches in parentheses.

## 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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