

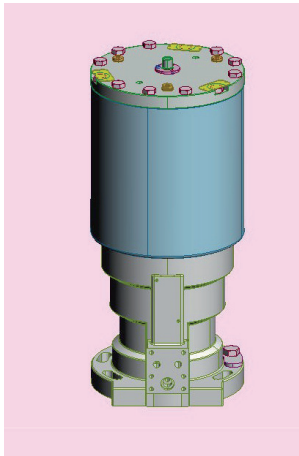
Data sheet

Sheet No.: BHHF4000.01 RevA

Date: October 2010

BHHF 4000

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



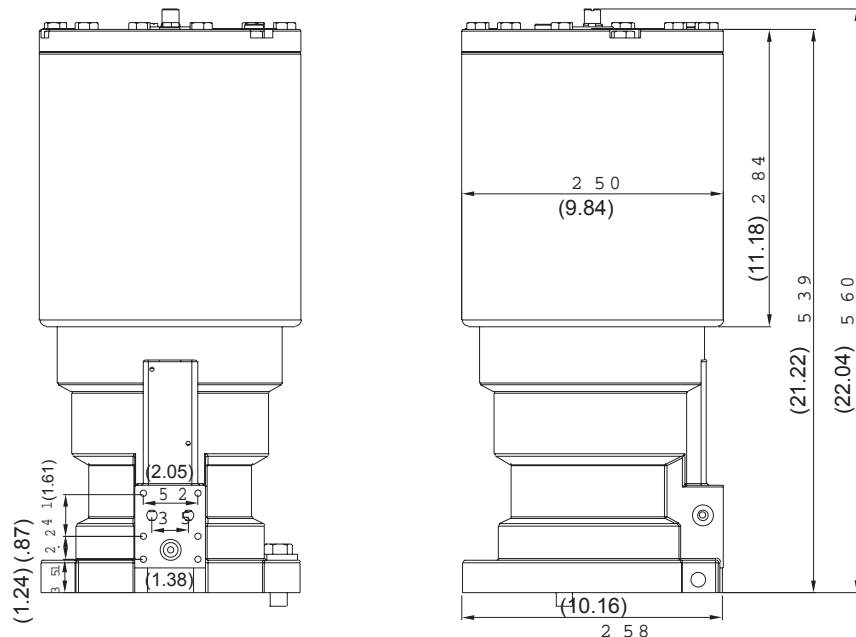
Main data:

Working pressure:	SR1 90 bar (1500 psi) SR2 135 bar (1958 psi)
Burst test:	675 bar (9788 psi)
Total dry wt. incl. 25.8 kg. (5.68 lbs.) mounting set	151.8 kg (334.7 lbs.)
Oil displacement:	0.800 l (48.8 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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Process Management

Data sheet

Sheet No.: BHHF4000.02 RevA
Date: October 2010

BHHF 4000

Valve adaptation:

Approx 5°

Adapter

Intermediate flange

Valve shaft intrusion: (3.35)

85

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

7.5° 7.5°

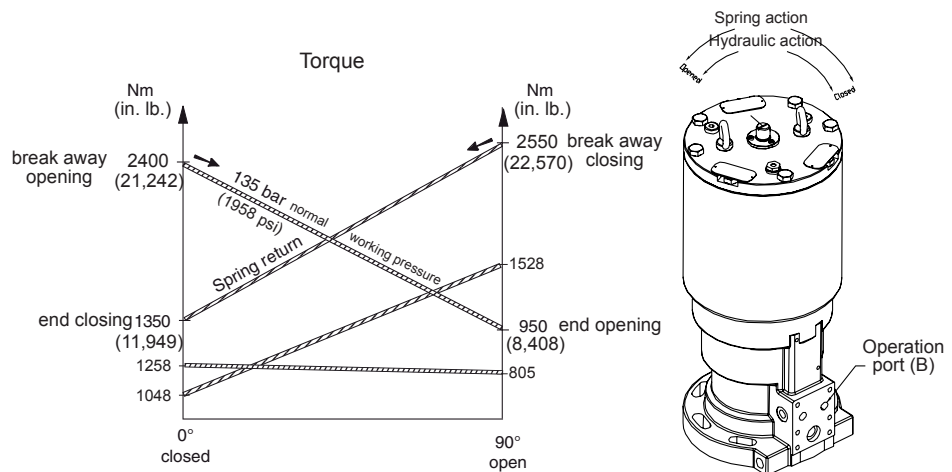
Fastening nut, torque: 150 Nm (1,327.7 in. lb.)

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 74 (2.913)		□ 63 (2.480)

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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