

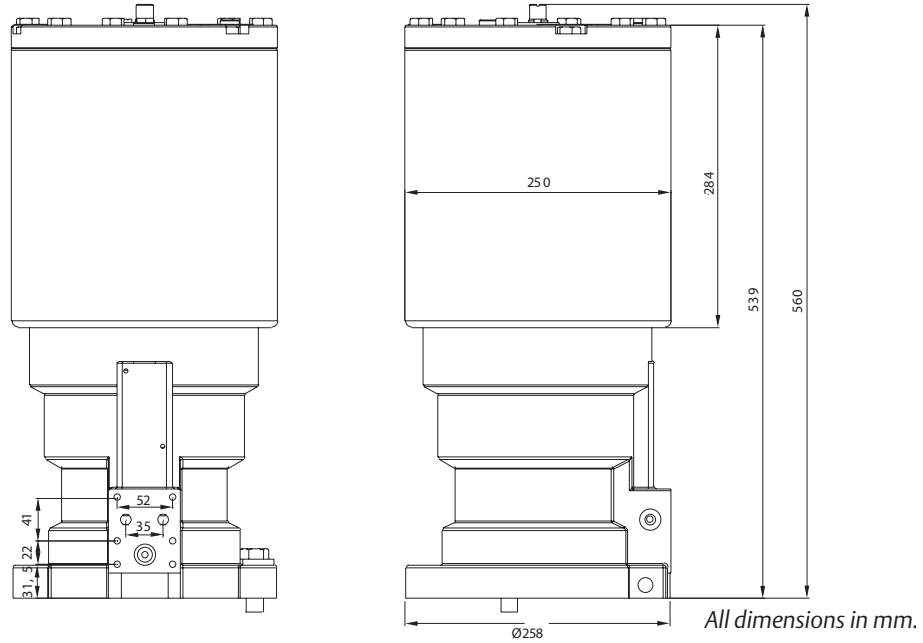
Damcos™ BRCF 4000

Hydraulic Single-Acting Balanced Rotary Actuator 90°
(Quarter-turn) Fail-Safe

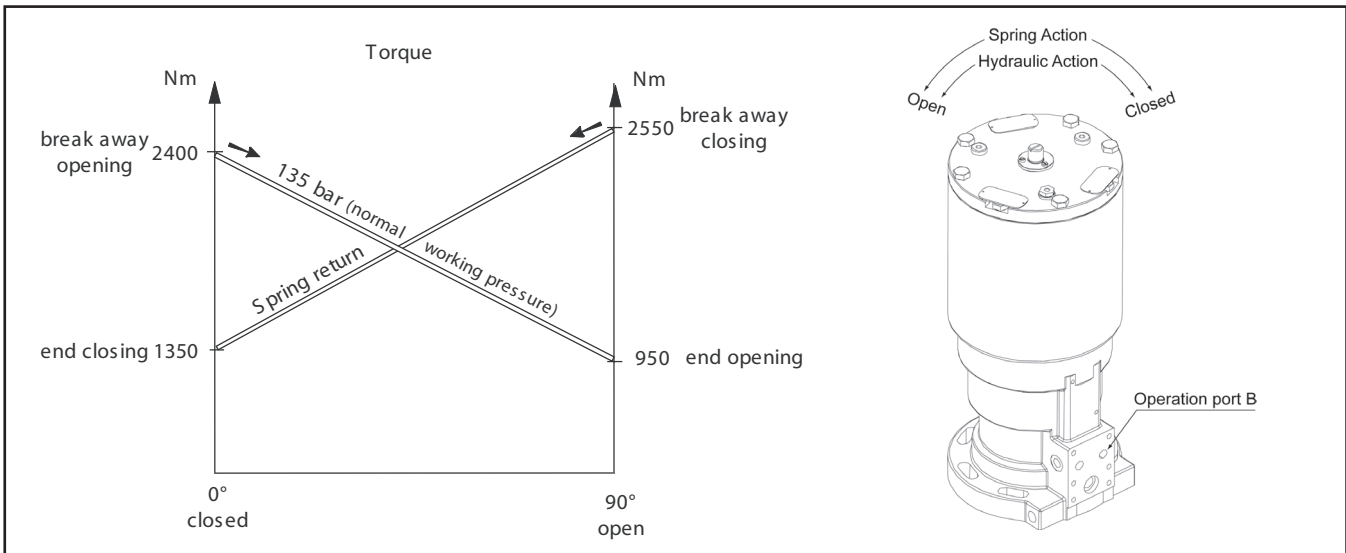


Main Dimensions

Actuator shown in closed (fail-safe) position.



Performance



Note!

The BRCF fail safe actuator is “Fail Close” in the standard version. Optionally a “Fail Open “ version can be ordered. In case of Fail Open the above torque curve and operation chart is opposite.

Standard version; Fail close;

Opens by means of hydraulic pressure applied to port B and closes with spring force, when pressure on B port is released.

Optional version; Fail Open;

Closes by means of hydraulic pressure applied to port A and opens with spring force, when pressure on port A is released.

Valve Adaption

Adjustment screw, torque: 50 Nm

7.5° 7.5°

Max. valve shaft intrusion: 85

Approx. 5°

Adapter

Intermediate flange

Fastning nut, torque: 150 Nm

Limits for the machining of the adapter. Other shapes on request, please contact DMS.

Shape

| | | |
|-------------------|----------|--------|
| Machined acc. to: | DIN 6885 | DIN 79 |
| mm (max.): | 74 | 63 |

All dimensions in mm

Technical Specification

| | |
|---|---|
| Working pressure | 135 bar |
| Burst test | 675 bar |
| Total dry weight incl. mounting set (25.8 kg) | 151.8 kg |
| Oil displacement | 0.800 l |
| Temperature range | -20°C to +80°C |
| 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. |

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