

# Damcos™ BRCF 8000 - 60 bar

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

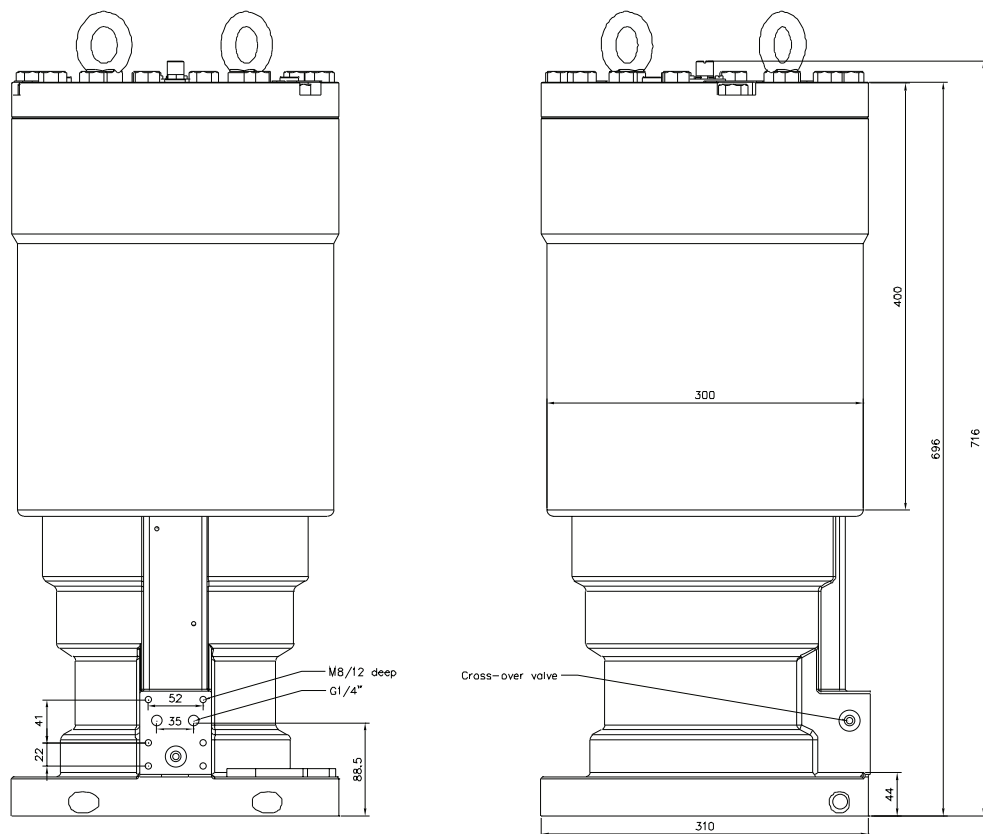


## Main Data

|   |  |
|---|--|
| Working pressure                              | 60 bar   |
| Burst test                                    | 675 bar  |
| Total dry weight incl. mounting set (26.9 kg) | 271 kg   |
| Oil displacement                              | 1.6 l  |
| Temperature range                             | -20°C to +80°C   |
| Rotation                                      | 90° ±1°  |
| Hydraulic media and viscosities               | We recommend acid-free hydraulic oil.<br>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



All dimensions in mm

**Valve adaption:**

Max. valve shaft intrusion: 105

Approx. 5°

Adapter

Intermediate flange

Adjustment screw, torque: 50 Nm

6.5° 6.5°

Fastning nut, torque: 320 Nm

All dimensions in mm

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

|                   |          |  |        |
|-------------------|----------|--|--------|
| Shape             |          |  |        |
| Machined acc. to: | DIN 6885 |  | DIN 79 |
| mm (max.):        | Ø 95     |  | □ 80   |

**Performance**

**Performance:**

Torque

Nm

break away opening 1959

60 bar (normal working pressure)

Spring return

end closing 1130

0° closed

90° open

1025 end opening

Nm

break away closing 1956

Spring action

Hydraulic action

open

closed

Operation port (B)

**Emerson Process Management**

Damcos A/S  
Aaderupvej 41  
DK-4700 Naestved  
T +45 5578 7200  
F +45 5578 7272

[www.EmersonProcess.com/mtm](http://www.EmersonProcess.com/mtm)

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