

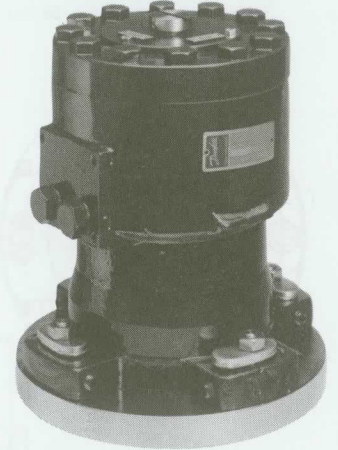
# Hydraulic Double-Acting Balanced Rotary Actuator 90° (Quarterturn)

A1

## BRC 022

### Main Data:

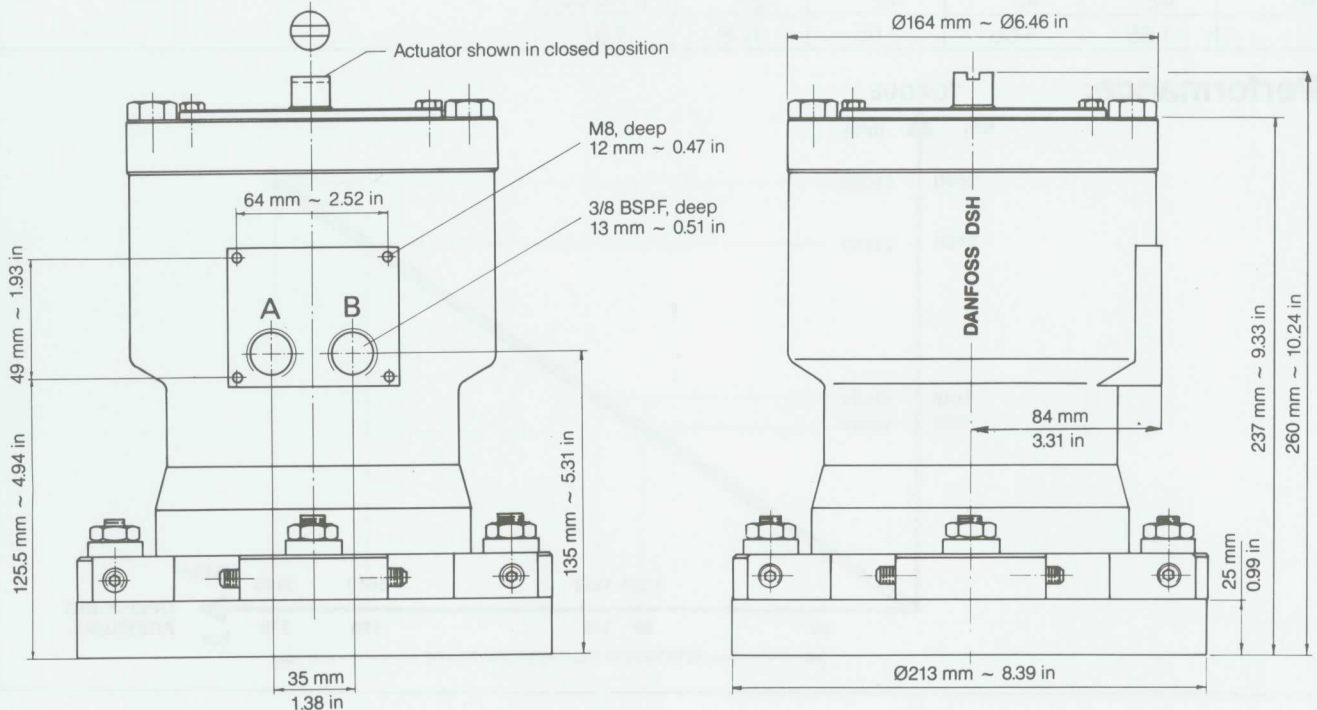
Max. working pressure: 210 bar ~ 3046 lbf/in<sup>2</sup>  
 Total dry weight: 33 kg ~ 71.7 lb incl. 8.5 kg ~ 18.7 lb for mounting set.  
 Oil displacement: 380 cm<sup>3</sup> ~ 23.2 in<sup>3</sup> - identical for both directions.  
 Temperature range: -20°C to 80°C ~ -4°F to 176°F.  
 Rotation: 90° ± 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.



### Tests and Approvals:

Burst tested to 730 bar ~ 10588 lbf/in<sup>2</sup>  
 Vibration and high impact shock tested to U.S. Mil. standard 167 and 901 C.

### Main Dimensions:



A port: Close (clockwise seen from above), B port: Open

The company policy aims at continuous improvement of the products and therefore all rights to change the specifications without notice are reserved.



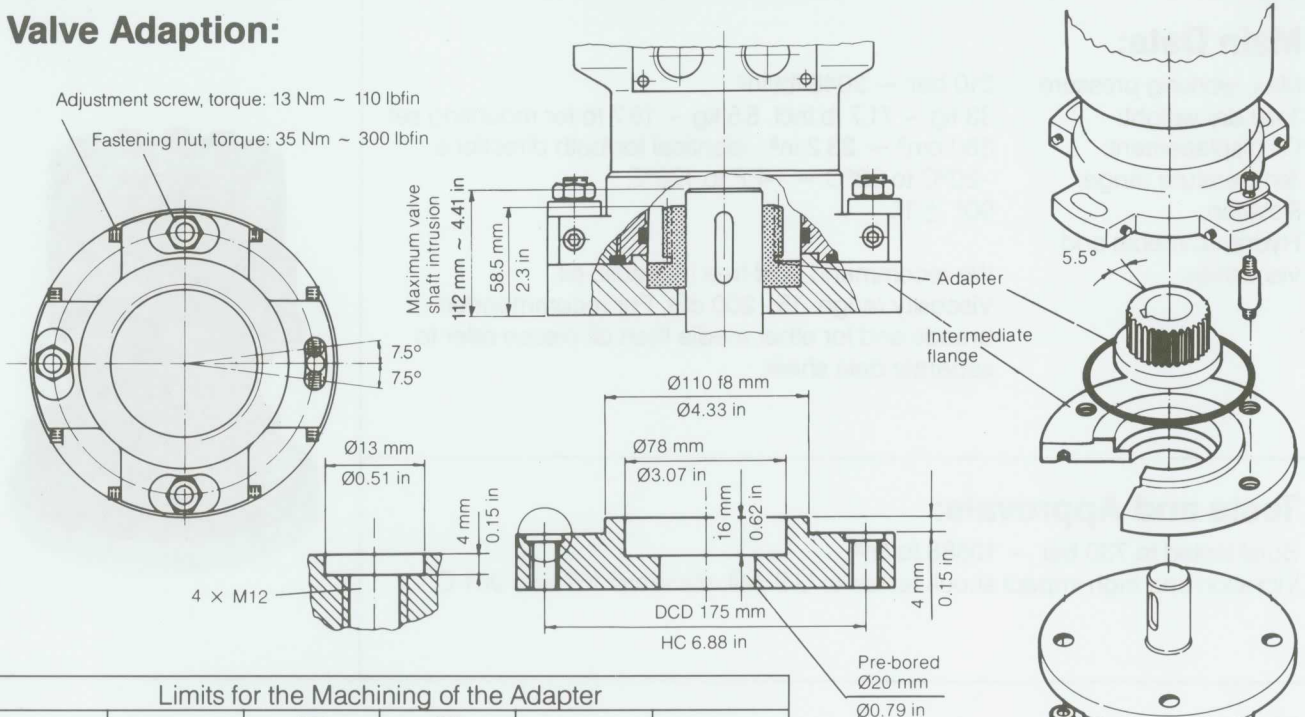
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### Valve Adaption:

Adjustment screw, torque: 13 Nm ~ 110 lbfin  
Fastening nut, torque: 35 Nm ~ 300 lbfin



Limits for the Machining of the Adapter

| Shape |      |      |      |      |        |
|-------|------|------|------|------|--------|
| mm    | 42   | 42   | 42   | 35   | p+q 50 |
| in    | 1.65 | 1.65 | 1.65 | 1.38 | 1.97   |

### Performance:

