DOUBLE-PISTON QUARTER TURN ACTUATORS
TYPE BR16 SAD / SAF 90°

Technical Data

Design: Pneumatic double-piston quarter turn actuator
Design features: Rack-and-pinion system, piston guide via guide rods
Angle of rotation: 0°-90°
Air pressure supply: mind. 2 bar, max. 8 bar
Operating medium: Dry and filtered compressed air
Ambient temperature: -25°C to +80°C
Mounting position: any
Resistance to corrosion: Industrial atmosphere
Lubrication: Life time lubrication with grease
ISO 51825-K2K-30
Seals: NBR-O-Rings, 70 Shore
Coatings: Housing anodized and colour sealed
End caps - CED cathodic electrodeposition
Maintenance and inspection: AMG actuators are free of maintenance within the life time.
Provided that:
- the actuator is properly mounted
- the operating medium used is clean and non-aggressive
- the actuator is operated under normal ambient conditions
- the actuator is used in compliance with the intended use
  (see assembly and maintenance manual)

Applied standard:
DIN EN ISO 5211, DIN EN 15714-3, VDI / VDE 3845, DIN 79
Options:
Extended angle of rotation 120°, 135°, 180°
Adjustable inner / outer travel stops up to +/- 5° via travel-stop-module (TSM)
Ambient temperature up to +100°C
Ambient temperature down to -40°C
Sealing elements made of FKM (viton) or alternatively fluorosilicone
Tailor made mounting kits and dimensioning acc. To customer requirements
Variable cycle times (fast / slow)
Variable sens of rotation (clockwise / counterclockwise)
Coating options: Hard-Coat, chemical nickelplating, plastic coating, special lacquer
### DESIGN TYPE BR16 SAD / SAF 90°

#### Size
- **Type SAD**: 35
- **Type SAF**: 35

#### Weight [kg]
- **Type SAD**: A / 18.5
- **Type SAF**: A1 / 26.0

#### Stroke volume [dm³]
- **Type SAD**: 6.8
- **Type SAF**: 6.8

#### Operating times [sec.]
- **Type SAD OPEN**: 1)
- **Type SAD CLOSE**: 1.0
- **Type SAF OPEN**: 2.0
- **Type SAF CLOSE**: 1.0

1) operating times at 4.5 bar air pressure supply without load (standard values)

2) Type SAF with 9 springs

#### Connection ISO 5211
- **Connection**: F12
- **Special version**: F10

#### Specifications

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<th>Type</th>
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<th>spring-torque</th>
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#### Air torque Ma [Nm] at operating pressure pe [bar]

- **2 bar**
- **4 bar**
- **6 bar**
- **8 bar**
- **10 bar**

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**MB BR16 SAD / SAF**

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<th>Subject to technical modification</th>
<th>90 / 2017 / EN / 01</th>
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<tr>
<td>AMG-PECH GmbH &amp; CO KG - Adam-Riese-Straße 1 - D - 50996 Cologne - Tel: +49-(0) 22 36 - 89 16 - 0</td>
<td><a href="http://www.amg-pesch.com">www.amg-pesch.com</a></td>
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