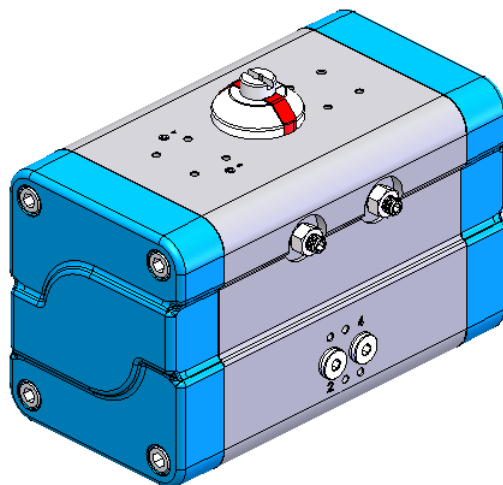


# actubar<sup>®</sup>

Pneumatic actuator CAD/CAS

## Original Supplementary Manual



### NOTE

Read these instructions carefully and keep them with the device.

Observe and follow the safety instructions.

Technical data for the product may show different values in other documents.

The technical data in this document always take precedence.

Installation and commissioning only by qualified personnel, in accordance with the operating instructions.

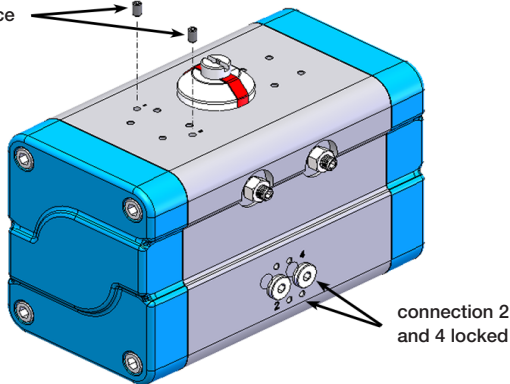
# 1. Product and function description

The actuator version type CAD/CAS offers an additional pneumatic valve interface (bar-vacotrol interface) on the top of the actuator, which, when used with the appropriate attachments allows a direct pneumatic connection without tubes or hoses. The actuators of this series are equipped with centering flange according to EN ISO 5211 and blowout-proof adjusting screws.

# 2. bar-vacotrol interface

To use the bar-vacotrol interface, dismantle the two set screws on the top side. The two standard connections for the solenoid valve (connection 2 and 4) must be closed.

Remove the set screws at the bar-vacotrol-interface



If the bar-vacotrol-interface is no longer required, the two upper connections must be closed again and sealed. Use liquid sealant for this purpose and make sure that the set screws are screwed in flush.

# 3. Name plate

The name plate is placed on the pneumatic actuator.

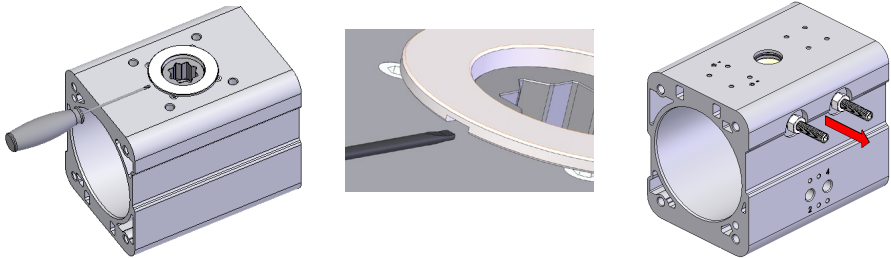
<b>bar</b>	Auf der Hohl D-53547 Dattenberg Tel.: 02644-9607-0			
	Schwenktrieb nach EN ISO 5211			
Typ:	<b>CAD-076/090-V27-H</b>		Drehrichtung (Draufsicht)	
Artikelnr.:	<b>60004497</b>		<b>Doppeltwirkend</b>	
Max. Drehmoment bei 4,2 bar	<b>319</b> Nm	Gewicht 15,6kg		
Luftanschluss:				
Max. zul. Druck: <b>8</b> bar				

<b>bar</b>	Auf der Hohl D-53547 Dattenberg Tel.: 02644-9607-0			
	Schwenktrieb nach EN ISO 5211			
Typ:	<b>CAS-360/090-07-V46-F16-F</b>		Drehrichtung (Draufsicht)	
Artikelnr.:	<b>60004471</b>		<b>Einfachwirkend</b>	
Max. Drehmoment bei 4,2 bar	<b>1049</b> Nm	Gewicht 62kg		
Min. Federmoment	<b>518</b> Nm	Luftanschluss:		
Sicherheitsfedern: <b>7</b> Stück		Max. zul. Druck: <b>8</b> bar		

## 4. Disassembly / assembly of the centering ring

Disassemble the centering ring by levering it out with a suitable flat-blade screwdriver. Place it in the groove provided in the centering ring as shown in the picture.

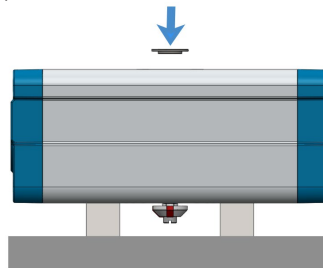
Please take care not to damage the anodized coating of the housing.



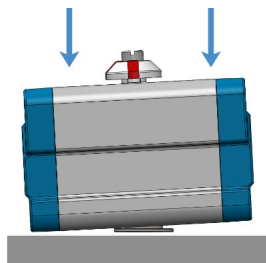
Unscrew the adjusting screws from the housing as far as they will go, so that the pinion can rotate freely with the stop cam for further disassembly.

Before installing the pinion, make sure that the adjustment screw is still screwed out as far as it will go.

As the last step of the assembly, mount the centering ring by clipping it into the pinion bore. Use a press for this purpose.



For the actuators up to and including size CAD/CAS-050, this can also be done by pressing on the housing by hand.



Internal document: Z1XV3471-01

The bar products are comprehensively tested. The company bar therefore only guarantees the replacement or - at its sole discretion - the free repair of those components of the delivered products which, in the opinion of bar, have demonstrable manufacturing defects. Warranty claims due to defects or defects of title can be asserted within one (1) year from delivery/transfer of risk. Excluded from the warranty are damages due to normal product use or friction as well as damages due to changes or unauthorized repairs to the products for which bar rejects any claim for damages (direct or indirect). (Please refer to our website for detailed information.) All deliveries are subject to the General Conditions of Sale which can be found at [www.bar-gmbh.de](http://www.bar-gmbh.de).

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A **WATTS** Brand

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**bar pneumatische Steuerungssysteme GmbH**  
Auf der Hohl 1 • 53547 Dattenberg • Deutschland  
Tel. +49 (0)2644 96070 • Fax +49 (0)2644 960735  
[bar-info@wattswater.com](mailto:bar-info@wattswater.com) • [www.bar-gmbh.de](http://www.bar-gmbh.de)