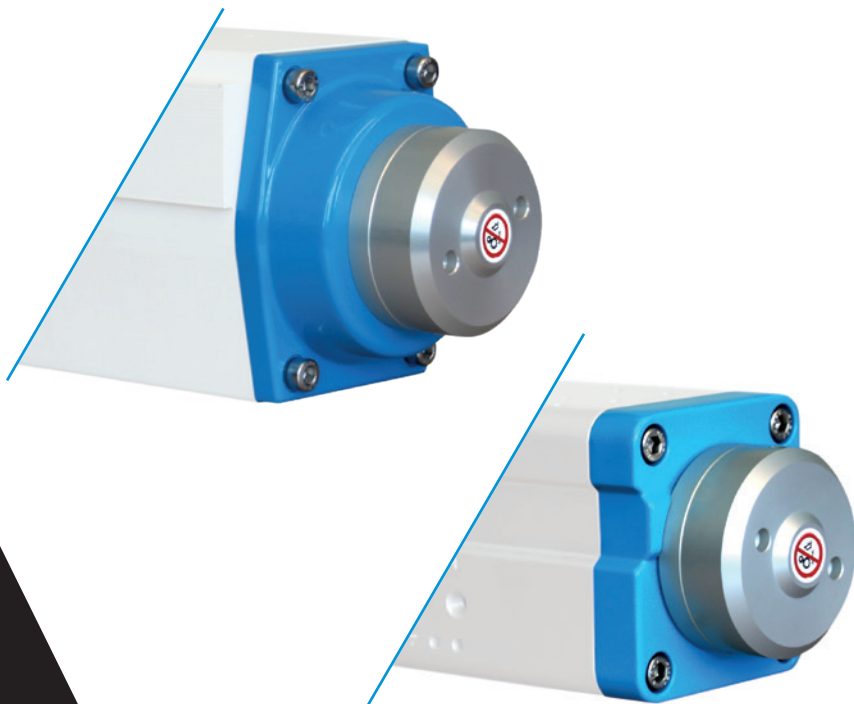


# Pneumatic actuator types GD/GS and AD/AS with hydraulic damper

A supplement to mounting  
and installation instruction  
of actuators types GD/GS and AD/AS



## NOTE

Please read this instruction carefully and store it close to the product.

Read and follow the safety advice.

## NOTE

Technical data regarding the product can differ compared with other documentation. Always the technical data of this document take precedence and apply.

Mounting and initial installation only by qualified personell acc. to the operational manual.

## Service and Maintenance

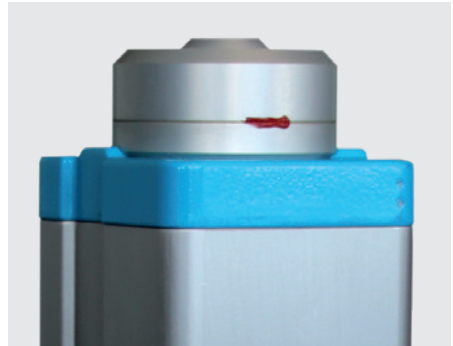
The hydraulic damping device of actuators typ GTD-HD is working maintenance-free. Repairs may only be carried out by the manufacturer.

## DANGER

Never refill the damping module. Overfilling of the damping module will destroy the actuator!



Module open



Closed and sealed module with actubar®



Closed and sealed module with bar-acturn®

## Description of Product and Function

By the actuator type with hydraulic damping the rotation is partially or even over the full rotating angle damped or will be carried out with a consistently speed.

### WARNING

Beware of very hot surfaces!



During operation the body of the hydraulic damping can heat up more than the actuator itself and may become very hot. Protect yourself from burn injuries.

## Name plate

The name plate is fixed on the pneumatic actuator.



Name plate AD/AS



Name plate GD/GS

### Legend

AD/AS	GD/GS	Description
60003515	60004576	bar article-number
CE	CE	CE-identification
AD-050/090-V22-F-HD100%	GD-083/090-F05/F07-V17-F-HD100%	Article/order identification. The version with hydraulic damping is labelled with -HD. 100 % means damping over 100 % of the rotating angle.
MD = 50,0 Nm/bar	MD = 15,3 Nm/bar	torque per each bar control pressure
Pmax = 8 bar	Pmax = 8 bar	maximum permissible media pressure
11/03/2021	11/03/2021	Manufacturing date

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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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