

# ThyssenKrupp BILSTEIN GmbH

Motorsport MDS - Bilstein Service Center

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# Motorsport in TCR



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# MDS – Modular Damper System



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# Motorsport



## Modular Damper System

MDS Dampers are available as Coilover Damper and Struts. The types of connections range from standard unibal-bearing to pin connections and through to all different kinds of fork alternatives. In the strut variety, the outer tube is available with a clamp or a bracket.

### MDS Damper:

- Individual Damping Characteristic
- Configurable Adjustment Range
- 10 Well defined Clicks
- Low Hysteresis
- Low Friction
- Perfect Reproducibility
- Easy to Handle
- Configurable Standard Dimensions
- Dimensioning Regarding To Customer Request



# MDS Damper

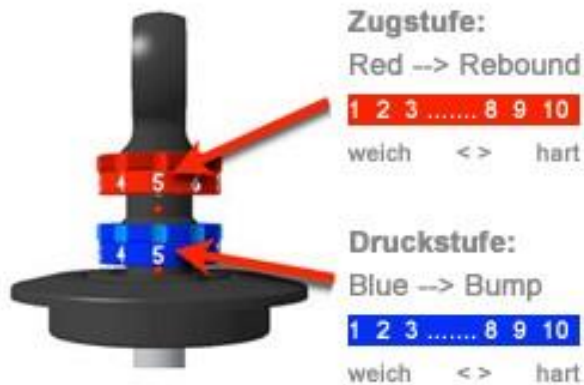


*MDS 2-Way*

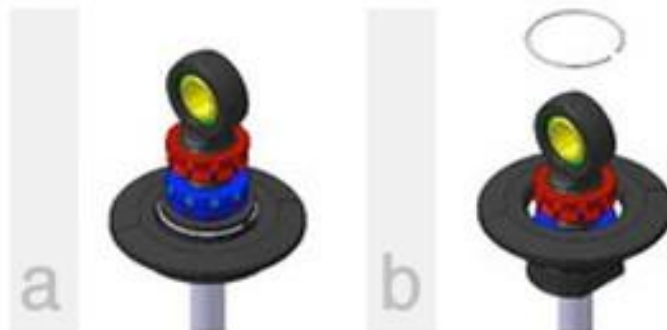
# MDS Handling



Please find below a quick instruction how to use the MDS System:



View of adjuster



(Dis)Assemble Spring Seat

- To remove spring seat, remove snap ring in the lower spring seat position.

# MDS Handling



Carefully clamp the top eye without causing damage. Do not clamp the piston shaft!



Disassemble Top Eye

- 1. Turn jam nut counter clockwise to loose.
- 2. Remove Top eye from piston shaft.
- 3. Remove jam nut from piston shaft. Push rod / tube can be removed too. All disassembled parts have to be assigned to the damper they belong to.



# MDS Handling



Carefully clamp the top eye without causing damage. Do not clamp the piston shaft!



Assemble Top Eye

- 1. Turn jam nut clockwise to its end by hand.
- 2. Enter hole with push rod.
- 3. Turn Top eye clockwise to its end by hand.
- 4. Tighten up jam nut with 40Nm.



# Service Center



- **TK Bilstein Service Center can revise and repair MDS Damper**



# Service Center



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**Thank you!**



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