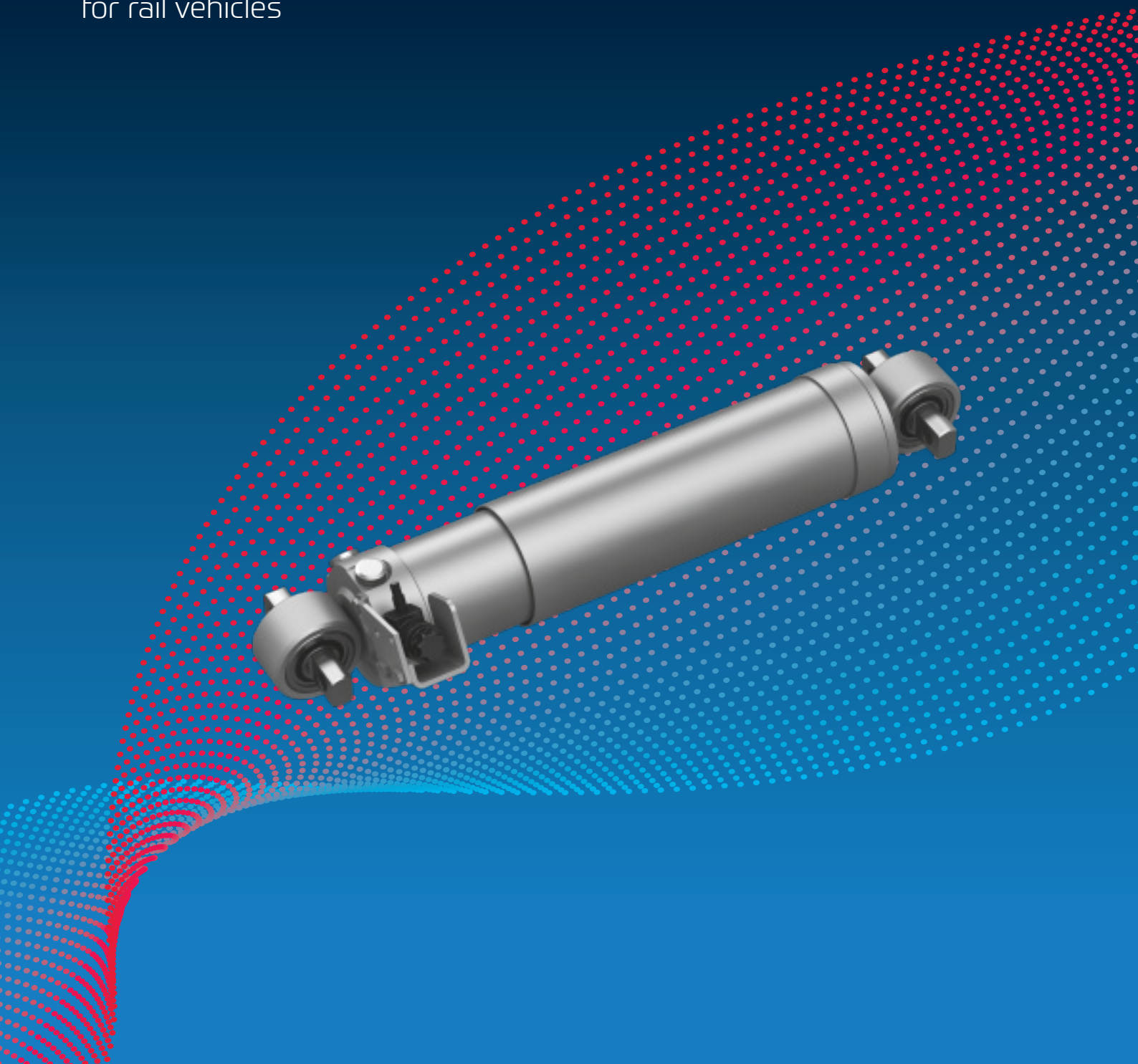
Modular and flexible

ZF Switchable Yaw Damper
for rail vehicles



Standard and electrically controlled

Yaw dampers are a special feature of rail vehicles. They control the sine wave effects of the bogie, increasing safety at medium and high speeds.

The yaw damper is not required for stable operation when maneuvering curves or tight track curves. In fact, the wheel/rail forces generated by the yaw dampers in this case often cause wear on the track in the turns and on the wheel flange. For this reason, ZF developed the electrically controlled yaw damper (with the option of integrated switching point monitoring) that clearly reduces contact forces by shutting down the valve. This considerably reduces the maintenance costs for vehicle and track sections caused by wear.

Highlights

- Standard and electrically controlled
- Short design
- Reduces wheel/rail wear
- High dynamic rigidness
- Actuation can be freely selected by the customer

Technical data

Size	T70/28
Valve type	2/2-way seat valve, normally closed (deenergized) magnet-actuated, pilot controlled
Operating pressure	350 bar
Ambient temperature range	-40 °C to +60 °C
Operating time	100 % (uninterrupted service)
Type of protection	IP68

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