

Press release

Audi to present the RS 5 in Geneva with ASSAG crown – gear center differential

- Coupé with 331 kW (450 PS) high-revving V8 engine
- RS 5 also efficient - 10.8 liters per 100 km (21.78 US mpg)
- Newly-developed center differential for quattro drivetrain



Audi RS 5

Unbridled power lurking in a classically elegant coupé: the Audi RS 5 will debut at the Geneva Auto Show. The high-revving 4.2-liter V8 with its 331 kW (450 hp) unleashes powerful performance while achieving remarkable fuel economy. The seven-speed S tronic and an innovative **center differential** in the quattro drivetrain transmit power to all four wheels.

New quattro technology: the crown-gear differential

Like all RS models, the RS 5 also applies its power to the road with quattro permanent all-wheel drive. As for the center differential, which regulates power distribution between the front and rear axles, Audi – the leading all-wheel-drive brand – unveils the next generation: a crown-gear differential.

The self-locking **crown-gear center differential** is compact and lightweight – and attains a high efficiency ratio.

Thanks to its package of plates, the differential can widely vary the distribution of torque between the front and rear axles. If necessary, up to 70 percent can flow to the front or as much as 85 percent toward the tail end. The 40:60 ratio of the standard rear-biased configuration ensures sporty handling.

This new differential operates in conjunction with electronic torque vectoring, which affects all four wheels. If one of the inside wheels becomes imbalanced while the vehicle is at its operational limits, then the system slightly decelerates the wheel to obviate wheel spin. This results in terrific traction on the one hand while generating a yaw moment which aids cornering.

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