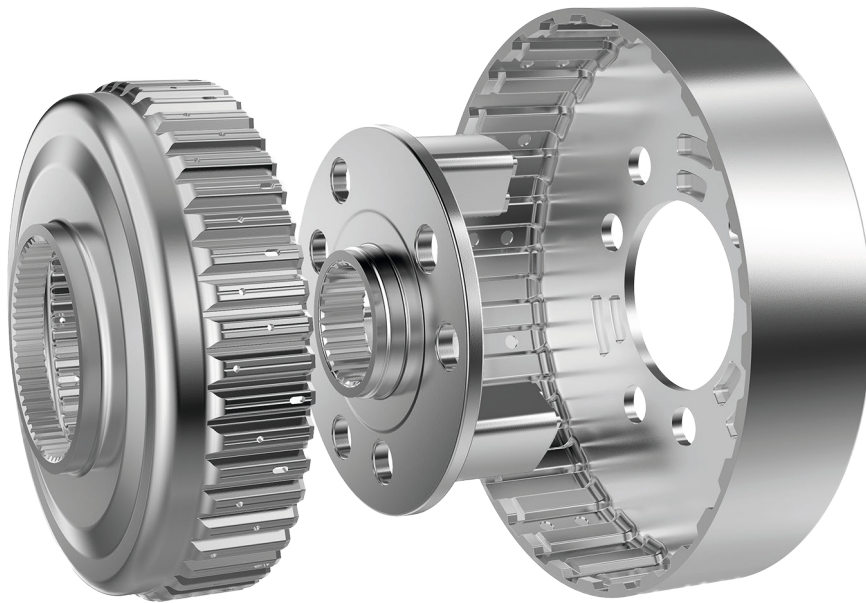


FACT SHEET

Disc carrier



For transmission of higher torques
Disc carrier made by ElringKlinger

Stamped disc carriers which are produced in a high-precision production process in order to transmit high torques.

Clutch discs use the tothing in the disc carrier to establish positive engagement which transmits the torque to the transmission. Therefore, the disc carriers have to withstand high mechanical stresses and rotational speeds and operate efficiently at the same time. This requires a high precision in the production process

at a high degree of deep drawing. ElringKlinger ready-to-install disc carriers meet all these requirements. For vehicles with an electric motor, a hybrid engine or a combustion engine they offer maximum precision and functional reliability, furthermore saving weight of up to 50 percent.



ELRINGKLINGER – YOUR PARTNER FOR DISC CARRIERS

Product Development (Design, Engineering and Simulation) – Process Development – Tool Shop –
Tool Sampling/Prototyping – Testing – Change-Management – Series Production – Part Measurement

Technology

FORMED SHEET-METAL PART

- + High strength and maximum precision

TECHNOLOGY FOR TOOTHING: HOOP BANDING

- + Rolling & deep drawing
- + Increase of tooth thickness by allocation of material in cross sections with high stresses
- + Transmission of higher torques possible
- + Standard materials and standard sheet sizes

HIGH TORQUE MECHANICAL CONNECTION (HTMC)

- + Elimination of welding operation with HTMC1, HTMC2 & HTMC3
- + No thermal effects on parts
- + Transmission of high torques
- + Commercial benefit due to elimination of additional machining after welding due to minimal distortion of the parts

Parameters

- + From standard to high wall thicknesses with > 5 mm possible
- + Platine sizes up to > 600 x 600 mm possible
- + Wide material range: S420, S355, DC04, ...

Benefits

- + Torques up to 3,000 Nm and above
- + Weight reduction up to 50%
- + Commercial benefit compared to casting
- + Wide material range
- + Innovative connection concepts → No welding necessary



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