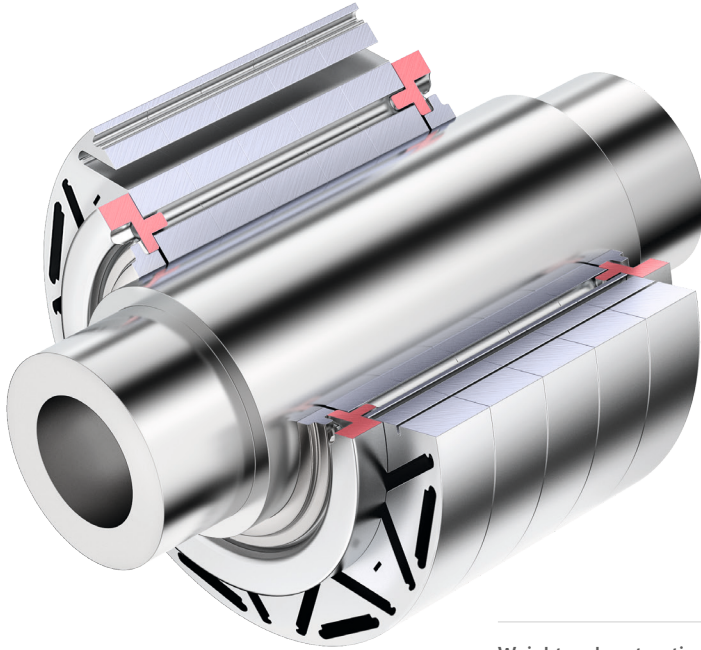


FACT SHEET

Stamped balancing disc



Weight and cost-optimized
Stamped balancing discs made by ElringKlinger

Stamped balancing disc with weight and cost optimized design to replace die cast, machined or sintered parts.

Balancing disc are components which are needed for balancing of E-Motors. EK balancing discs are produced in a cost efficient stamping process with material thickness of up to 10mm. The

design is optimized in terms of weight and mechanical strength. A innovative high precision process can be applied to ensure press fit on the shaft without secondary machining process.



ELRINGKLINGER – YOUR PARTNER FOR STAMPED BALANCING DISCS

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

Application

- + Replacement of die cast / machined or sintered balancing disk by stamped component with formed pins for assembly on the Rotor

Technology and benefits

- + Weight and cost optimized design – also complex geometries can be realized
- + Innovative high precision production process to ensure press fit on rotor shaft – no additional machining process needed to reach high tolerances
- + Highest flexibility in terms of raw material selection, therefore minimized distortion of magnetic flux
- + Material thickness of up to 10mm possible
- + Increased mechanical strength through cold forming process



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