



E-POWERTRAIN SEALING SOLUTION

StreamSyn

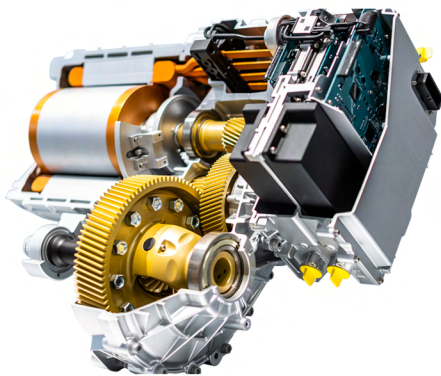
SUPPORTING CUSTOMERS
BY CREATING VALUE ADDED SEALING PRODUCTS & SOLUTIONS



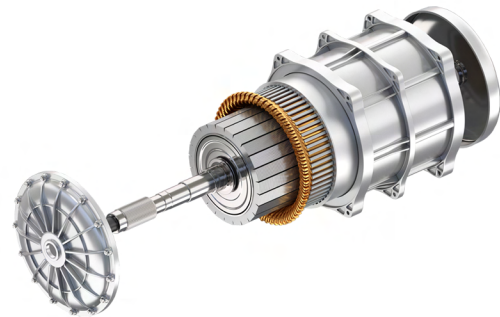
OIL SEAL PRODUCTS FOR E-DRIVE VEHICLE

NAK has been keeping pace with the rapid changes in the automotive industry and the growing demand for electric vehicles. Since 2015, NAK has invested in the research and development of electric vehicle oil seals, and by 2020, began mass production and sales. As of the end of 2022, over 8 million seals for electric vehicles had been sold. NAK's professional custom design capabilities and rigorous manufacturing techniques allow for the tailoring of sealing components to meet the specific needs of its customers. Furthermore, NAK's commitment to high value-added service quality has made it a trusted partner for many EV brands in the industry.

E-POWERTRAIN



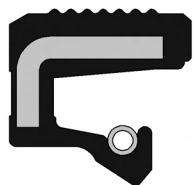
E-MOTOR



E-MOTOR SEALS

E-POWERTRAIN SEALS

SG50



TGR9

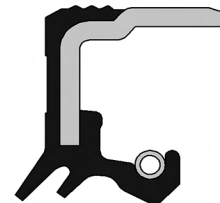


TC50

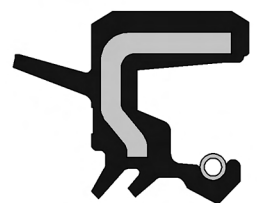


PTFE COATING

TBG2W14



TC29W14





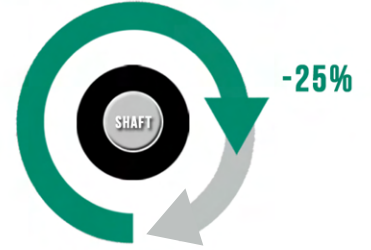
E-POWERTRAIN SEALING SOLUTION

OPTIMIZED DESIGN

Seal Designed To Optimize Spring Loaded Lip Profile For Low Torque.

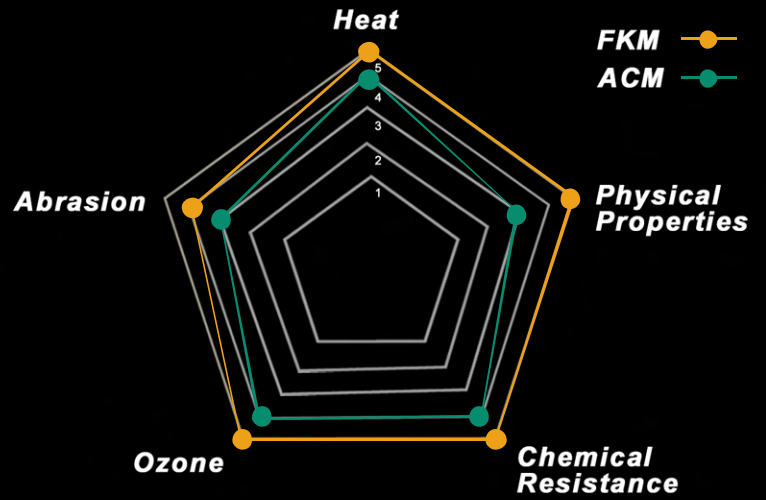
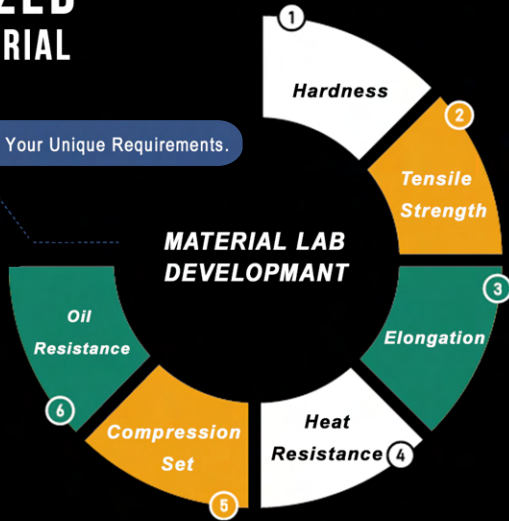


REDUCED TORQUE



CUSTOMIZED MATERIAL

Customized Solutions For Your Unique Requirements.



RELIABILITY

DYNAMIC TEST CENTER

Ultra-High-Speed Test Bench

Type	TC50R9	TC50R9	SG50
Location	E-Powertrain Input	E-Powertrain Input	E-Motor
Design			
Material	FKM	ACM	FKM
Linear Speed (C.W.)	36m/s 18,000 rpm	24m/s 12,000 rpm	32m/s 16,000 rpm
Linear Speed (C.C.W.)	6m/s 3,000 rpm	6m/s 3,000 rpm	32m/s 16,000 rpm

rpm based on shaft Ø38mm

MAX. SPEED 22,000 RPM

