

IFE SCREW DRIVE

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LUBRICATION-FREE SCREW DRIVE

APPLICATIONS FOR HIGH-SPEED TRAINS, LIGHT RAIL VEHICLES,
METROS, REGIONAL AND COMMUTER TRAINS

LUBRICATION-FREE SCREW DRIVE



SPECIFIC TEST BENCHES

Endurance tests are conducted on specific test benches to compare different versions of friction pairs. Service loads are simulated to apply realistic load cycles, temperature ranges, humidity, etc. throughout the whole life test.



FULL SCALE TESTED

Testing also takes place on full scale IFE entrance system mock-ups including the RLS, E3 and S3 types and a large range of other door types. These tests represent actual in-service operation and ensure that the IFE Lubrication-free Screw Drive works in perfect harmony with the full IFE range of entrance systems.



PROVEN IN SERVICE ON BOTH METROS AND TRAMS

The new IFE Lubrication-free Screw Drive delivers outstanding performance combined with reduced maintenance costs.



THE NEW LUBRICATION-FREE SCREW DRIVE FROM IFE eliminates the need for regular greasing reducing maintenance time and therefore cost for operators.



Conventional well-proven IFE screw drive



New lubrication-free IFE screw drive

DESIGN/FUNCTION

It is important to keep trains running and in service and to reduce maintenance and down-times is important as well. The innovative design of the new lubrication-free screw drive developed by IFE eliminates the need for regular greasing. This screw drive can be used on IFE drive units such as the RLS, E3, and S3 and can cope with typical closing forces and challenging environmental conditions. To ensure this tests were carried out in dust environment as well.

CUSTOMER BENEFITS

- Minimises maintenance time and costs
- Product life of some 15 years (est. 1,5 million cycles)
- Reduces the possibility of maintenance errors
- Prolongs the service life of the IFE Screw Drive
- Wear is reduced by 50% thanks to the development of the specific friction pair

