

Next Generation Optimol Performance Specimen (OPS)

Less than
10€
per test

SECURE YOUR TEST RESULTS BY USING ORIGINAL TEST SPECIMENS

Professionally manufactured and standardized for SRV®:
Optimol performance disk (OPD – part no. 291.150.00) and
Optimol performance ball (OPB – part no. 291.150.10)

Our OPS are the basis for highly accurate, reproducible test scenarios over many years, ensured by our special quality assurance procedures and certifications. By using Optimol original performance specimens, the risk of unnecessary test repetitions due to inconsistent results is significantly reduced.

291.150.90 – SRV® OPS STARTER KIT

INCLUDES:

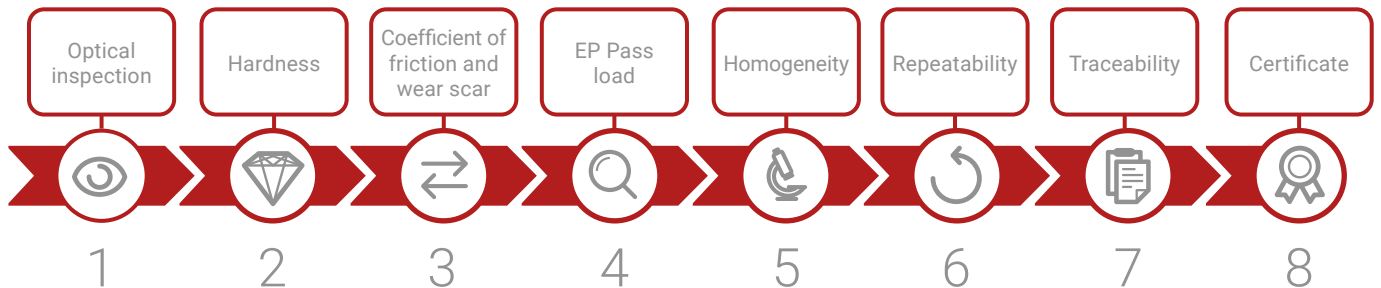
- 10 OPD 24 x 7.9 mm, both surfaces lapped, surface 0.50-0.65 µm Rz, material: 100Cr6, hardened, according to specifications of the SRV® calibration run, DIN 51834 and ASTM standards
- 50 OPB 10 mm, polished, material: 100Cr6, according to specifications of the SRV® calibration run, DIN 51834 and ASTM standards
- Calibration oil (10 ml)

You can find all other Optimol performance specimens in our online store: www.triboshop.de

**ORDER YOUR
TEST KIT NOW:**



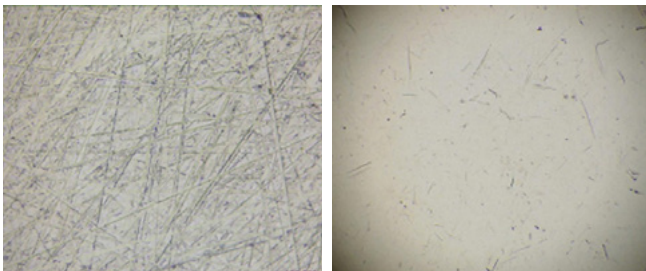
HOW WE ASSURE OUR OPS QUALITY:



EACH TEST SPECIMEN UNDERGOES A SERIES OF PROCEDURES BEFORE YOU RECEIVED IT. OUR UNIQUE QUALITY ASSURANCE SECURES THE EFFECTIVENESS OF YOUR TEST SERIES:

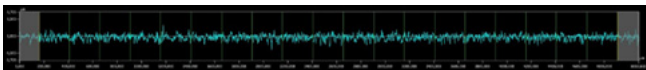
1. Optical inspection and semi-automated roughness measurement and evaluations.

By optical inspection, we eliminate scratches, rust and other macroscopic damages on the specimen surfaces.



Surface microscopy of a OPD Surface microscopy of a OPB

By intensive, semi-automated roughness measurement and evaluations, we assure that the roughness parameters of every batch remain within the specified parameters.



Typical surface topography scan of an OPD surface

2. Hardness

For every batch that leaves Optimol, we verify the hardness of the specimen to assure the consistency with the standard specifications.

3. Coefficient of friction and wear scar

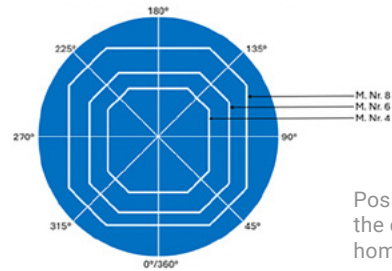
On random samples taken from every OPD batch, we carefully check the stability and consistency of the coefficient of friction and resulting wear scar with our reference oil in order to maintain reproducibility.

4. EP Pass load

As our OPD are also reference samples for extreme pressure tests, we verify the pass load of several random samples out of every batch.

5. Homogeneity

We regularly screen the CoF values on different positions on the disk surfaces with special test procedures to ensure the homogeneity of the results on each position of the disk.



Position diagram to document the checkpoints for surface homogeneity screenings

6. Repeatability

Thanks to our new stable and reliable production process as well as our intensive quality assurance procedure, the repeatability of the results is extremely precise.

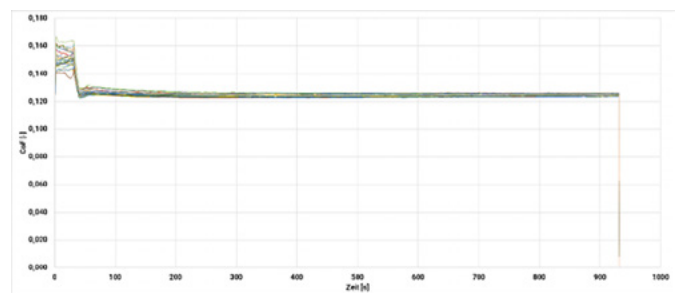


Diagram of more than 30 quality assurance tests of our OPD as proof of a constant repeatability of 95 %

7. Traceability

We guarantee the traceability of every batch through our Optimol quality assurance database. Each batch is registered and gets an explicit batch number allowing us to trace the history of every single OPS batch.

Optimol Performance Disk (OPD) before delivery



8. Certificate

With every pack of OPS an individual certificate is provided, including most important specifications like hardness and roughness values, CoF for the reference run and validity.