

OMK POLAR

Premium gas-tight
threaded connection
for oil and gas wells



Excellence
by intelligent
solutions

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Premium gas-tight threaded connection for oil and gas wells

Application:

- Oil, gas, and offshore fields;
- Vertical, extended reach drilling and horizontal wells;
- Casing running and cementing technologies with rotation in a long horizontal wellbore;
- Production of heavy crude oil using SAGD/CSS.



Size range:
4 1/2-13 3/8 in.



Grades:
K55/J55-Q135
(including low temperature conditions)



Requirements Documents:
GOST, API, Customer Specifications

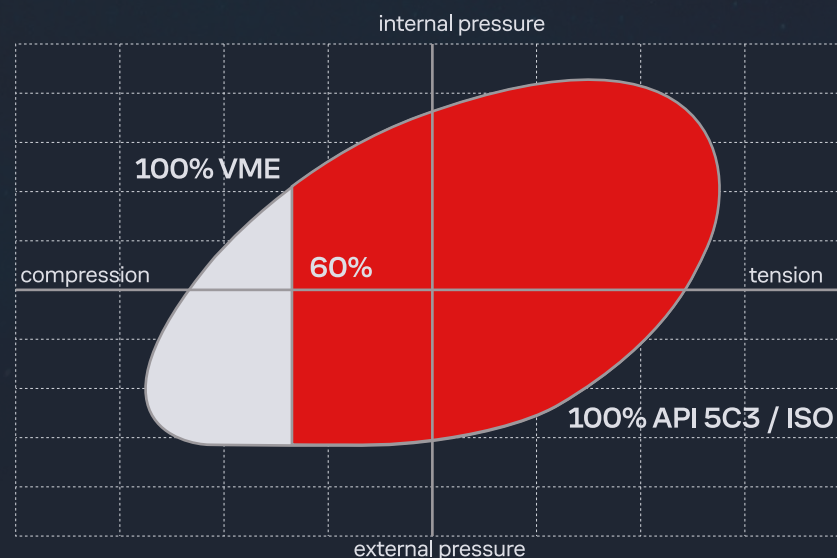


CLEAN SPACE dope-free technology option

ISO 13679 CAL IV Qualification

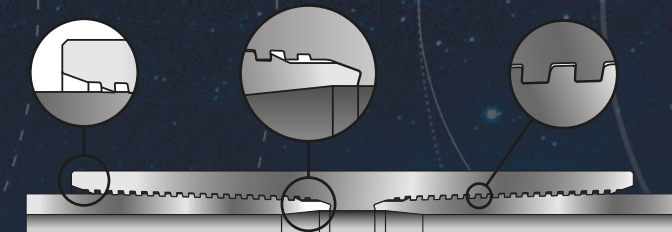
Successful CAL IV tests per ISO 13679 ensure that OMK POLAR tubulars are highly efficient under the following operating conditions:

- vertical and sloping gas wells;
- vertical and sloping oil wells;
- production strings for offshore wells.



Factors of improved reliability:

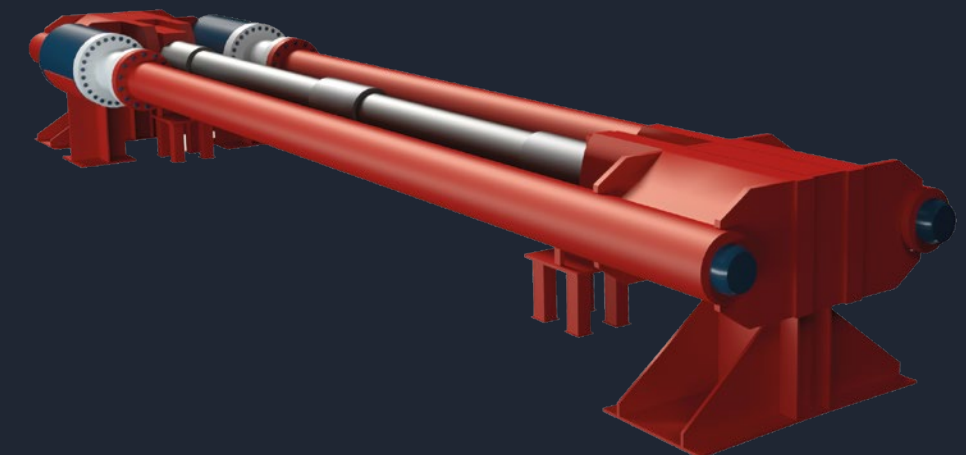
- Special thread profile with a negative thrust face angle protecting the connection from disengaging when running strings;
- Gas-tight metal-to-metal seal guarantees leak-proofness at high bending and compression loads;
- Additional internal shoulder providing resistance to high torques;
- An increased connection ID allows for more flexibility in selection of downhole equipment;
- Inspection of threaded connection assembly based on specified make-up torques and an assembly diagram.



Testing of Tubular Products in OMK R&D

Competencies:

- comprehensive testing of premium threaded connections;
- investigation of material physical and chemical properties;
- development of existing products and technologies;
- development of innovative products and technologies based on customer requirements.




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